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<210> 2673

<211> 669

<212> DNA

<213> Homo sapiens

<400> 2673

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<210> 2674

<211> 697

<212> DNA

<213> Homo sapiens

<400> 2674

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gggggggttc accatgatgg ccangttggt tttgaactcc tgaactcaag tnatctgccc  660
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<210> 2675

<211> 627

<212> DNA

<213> Homo sapiens

<400> 2675

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cctcccactg aagaaacaaa tagataccag gaagaagcta agtaaagcag tggagaagcg  240
ctttccgcat gacaaactcc tcttgtaga cactcaacag gaggcaggga tgctgcttan  300

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<210> 2676

<211> 799

<212> DNA

<213> Homo sapiens

<400> 2676

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 cggggcgctca cggcgacgtt cgggcgacct gccgagtggc caggctacct cagtcacctg 180
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 aaaaatgaag aactggaaca ctctaccagc aatcaanaag ttgcccgaan cccaaaatcc 720
 ctgggggttg gtnattttcc tgttcccccc cggttnatgg aattcctggg caaggtccaa 780
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<210> 2677

<211> 489

<212> DNA

<213> Homo sapiens

<400> 2677

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ctcgggtactg accgagggtt cccagagctg tctcaccatt gcaaaaacgt tatagcaaca  180
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atcnaagtgc ggagagacaa anatggtcct gggagggaan gtggacntan gaacctgttg  480
gtggacgca                                         489
    
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<210> 2678

<211> 768

<212> DNA

<213> Homo sapiens

<400> 2678

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agtgtgcttg ctacaaaacc tctttatgcc aattgcactg gttatcagaa ttatgtaatt  180
taatgaaata gtaccaaata tttcataaac taattaaata tgactacata aaggctcactg  240
cttctttgaa agttcactat tttggaaaag actcaaaatt agtcactaca gaagcatttc  300
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gaggattcta ctcttcataa gcatcttcag ctccgctgac ttcaaagaaa ctagactgga  420
aatcanacct tgttattgga gtgagttgta aaagaaagtc tacatggaat tccaatgggt  480
    
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agatccttat tcagagaact atttgtgcct catcacaggt tagaccggca tgttttgcca 540
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 gcctggaatt atgttcagat gaanaaagga tttgggccgt tattaaaact naacanccac 720
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<210> 2679

<211> 858

<212> DNA

<213> Homo sapiens

<400> 2679

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 aggaaccgt tgcccccccc ctcccgggct taaanttttt gntttttttt aaagtttnaa 840
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<210> 2680

<211> 548

<212> DNA

<213> Homo sapiens

<400> 2680

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atggcttcca aggctgatgt attagatgtt gtagtggctt caactgttca gaaagacatg  180
gccattatga ttgaggatga gaaagcttta agagaaactg tccgtaaatt gggagtgatt  240
gattcggaaa gaatggattt tgagctgttg ccagatgatg aacgtcagtg tgttaaatgc  300
aaaactacat gcttcatgtc tgccatctcc tgttcttgta aacctggcct tcttgtttgc  360
ctgcatcatg taaaanaatt gtgttcctgt cctccttata aatataaatt gcggtatang  420
tacacnctgg atgatctcta ccctatgatg aatgcattga agcttccaac canaatctta  480
caaccaaatg ggccttgaat gtgaatgaag ctttgagggc aaacatcnac canaanaaaa  540
ccttgtcn                                     548
    
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<210> 2681

<211> 529

<212> DNA

<213> Homo sapiens

<400> 2681

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cacggctact cggacctcga cagcaggagg ccgggcacgg gcggcgccgc ctgcgcagg  180
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cgggacttcg gcttgtggac cacgcccgcc gggcccaagg atccgccgcc ggggcgcgga  300
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ggcgcccgcg gggctctacgt tctgcccac cgcgacacgg acgcagctgc agcagtgacc  420
    
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acgtcgtaca gacaggaatt ccaggcttgg actggaatga aaccctccag atccacnaag 480
acggaanccn cccgaatcat cacaaccac acttccggat tggacaaca 529

<210> 2682

<211> 505

<212> DNA

<213> Homo sapiens

<400> 2682

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caggaagatg ggatttaca agaaatagga aatgtttatc attgaccata caaagctggc 120
ttatcttact tgtagaagag tgtttggcag ctgaaacca agggaaagaa aggaattgcg 180
tcattatagg caattcaggc taaatattat actacgtact ccatataccc tcttttttgt 240
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aatcatggc tctactgcagc ctgcacctcc tgggcacaag tgatcctccc atctctgcct 360
tgaatagctg ggactccagg tgcacgccac aatgcctaata ttctagttn ttgtgnaaca 420
cagggtctcg ctgtgtagcc caggctggtt tcaacctcct ggcctcaagt gatcctcttg 480
cctcagnctc ccaaataatcc tctac 505

<210> 2683

<211> 571

<212> DNA

<213> Homo sapiens

<400> 2683

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aaatgacact tgccagcaac cggagcctgg cagaaagaaa cttttgtac cagccccagc 300
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 cctatcagat aaagaatacc aaattagaca gacagtctag cagtgccttc ttggagaccc 420
 tgttatcact tcttcacgca caaggggcca agattgagga cgacactgag aacatggcag 480
 agaatttctg gatggagaac ttcctctgga ttccttcatt gatgtctttc agagcaaacg 540
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<210> 2684

<211> 567

<212> DNA

<213> Homo sapiens

<400> 2684

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 aatgaagatg aagactgtta ctcaggatga acgatatcag tgctataatc aagagcaaaa 180
 tgatacagag ggtccaaaag acagagaaaa ggatgtcagt gaatatTTTT atgagaaatc 240
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<210> 2685

<211> 690

<212> DNA

<213> Homo sapiens

<400> 2685

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tagcagccag tgttgaata agacatggat ctgcacgta tgggtgtttgt gtaactgtgc 600
anataaatca cagccaggaa ggcaagaagt gnatcaggg acaggatcaa attcccccg 660
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<210> 2686

<211> 608

<212> DNA

<213> Homo sapiens

<400> 2686

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atggtttatg ttgccanca tgintaaaca caacgtcttc aaatgctttt taaaaatcta 480
tgaatttggt agatgtcttc acatcctggg cctcctaccc caattctcaa acacaaanta 540

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ctctgttgcc ctattatant cctgcganaa ttctggctaa ngattaagtt gacngtctaa 600
gcccccaa 608

<210> 2687

<211> 511

<212> DNA

<213> Homo sapiens

<400> 2687

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<210> 2688

<211> 453

<212> DNA

<213> Homo sapiens

<400> 2688

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 agtgcgtgac ggtggagcgc gagctggata aagtgtgca caagtctca ngctacnggc 420
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<210> 2689

<211> 742

<212> DNA

<213> Homo sapiens

<400> 2689

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 aaaaaacttt ntgaatgtta nc 742

<210> 2690

<211> 724

<212> DNA

<213> Homo sapiens

<400> 2690

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 gacnaaccat aactcnctga attttgaact gagtgatttc caanaaaatt ttgaagaaac 720
 ccen 724

<210> 2691

<211> 563

<212> DNA

<213> Homo sapiens

<400> 2691

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<210> 2692

<211> 754

<212> DNA

<213> Homo sapiens

<400> 2692

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 ntccttanga ataagttttt atatacactg ctaaattgtgt gatgagaatc ataaaacact 660
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<210> 2693

<211> 653

<212> DNA

<213> Homo sapiens

<400> 2693

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gttgcttcgc atcaaaaagt ccatcccagg ggatggagaa ggagatggag acctanaatg 540
aaatgttttt gtctttgtgg catgcagcta actcctcttt anttttgtct taggggtccag 600
tgatctttat ngggatgcct atttaatggc ttaattttgt tgcntntnaa cca 653
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<210> 2694

<211> 710

<212> DNA

<213> Homo sapiens

<400> 2694

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gttggtggan ctaaacgtct tcaancttta tctcatcttg tttctgtgct tctcttgtgc 540
ccatgggtca ttgttcttct tgtgacaact ganantaaag tggantcttg gttttctctc 600
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attatgcctt ttgcaacggt tatctttttt gtcgatgcc tggatttcta cnttggattc 660
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<210> 2695

<211> 506

<212> DNA

<213> Homo sapiens

<400> 2695

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<210> 2696

<211> 454

<212> DNA

<213> Homo sapiens

<400> 2696

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tgaaggctgg atcctcattg accgctgtgg gaagcacttt ggtacgatac tcaactacct 360
tcgagacggg gcggtgcctt taccgagag ccgccgggag atcganganc tgctagcana 420
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<210> 2697

<211> 729

<212> DNA

<213> Homo sapiens

<400> 2697

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caagtgaagt gtcaccactg actaaagaag agaaaactgc ggcagagcaa ttcaaatttc 180
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tttaaataata tgtncacacg catgcacaca cacacttagt cttgtnattt caggccagaa 480
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taaanttttag gccaaacatt tgtgttatca tgatatataa tttcnttttg ttaattttga 660
ttgcccntgt ngtcncatta ttgttgaaac tgcttttatg ttacctgttn tccccccca 720
aaacctaaa 729

<210> 2698

<211> 631

<212> DNA

<213> Homo sapiens

<400> 2698

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gagttaatac agttgtggtg acaacttctg ccccagaggc ttgctggcc tcctgggcga 180
gaatttcagc cagggcgagg acaccagagg cagtggaaac tccacaagag gcctctggta 240
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ggcatgatct cagctcaccg caacctccac ctcccaggtt caagcaattc tcctgcctca 540
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ttantaataaa tggggtttct ccatgttggt c 631

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<210> 2699

<211> 742

<212> DNA

<213> Homo sapiens

<400> 2699

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gtcgggaagag caagccgcgg cggcggagag aaaagtccag gagaacagta tccagcgggt 180
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tcacaaaatt agtgacctgg aaatttgtgc tgatgagttt cctggatcct canccaccta 540

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ccgaatactg gaagttggct gtggtgtggg aaacacagtc tttccaattt taaaaacgaa 600
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 tccaaacaaa ttcnaaatat gatcctnctc cgggtgtttt gcctttgttc cccaacctgt 720
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<210> 2700

<211> 560

<212> DNA

<213> Homo sapiens

<400> 2700

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 tccagccggc ccccatgtgg acccagggat acagcctgca ccacttggca cacagggaat 420
 tcactcanca accccaatca acacacaagg gcttcagcct gcacctatgg gtactcanca 480
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<210> 2701

<211> 773

<212> DNA

<213> Homo sapiens

<400> 2701

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 caaattttta ttgaattaca tggatgact tcnnaacgcc agttctggac agtgtctaata 720
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<210> 2702

<211> 484

<212> DNA

<213> Homo sapiens

<400> 2702

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<210> 2703

<211> 696

<212> DNA

<213> Homo sapiens

<400> 2703

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tctgaaggag aaccattgtt tgctggggga agtgccattc tcaaagagga gaatctttca  180
gaagattcta agagcteate actaaattca ggaaattatt tgaatcctgc ctgtagaaat  240
cctatgtata ttcatacttc agtctcccag gatttttctc gaagtgtgcc aggcaccaca  300
agttcaccac tagttgggga catatcccc aagagcagtc cccatgaagt taaattccaa  360
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gatgatgaag tatatggggc tgaagctggg gccagcatta aagctgtgtt actacattga  480
aaagcttaaa gaaggaaaat acagttaaaa aaatgtgtna gtttanattg ggacataatt  540
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naacagttcc cataaaaata ttttatcana attgcaaaac tgtntaaca ntttcaatcc  660
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<210> 2704

<211> 525

<212> DNA

<213> Homo sapiens

<400> 2704

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aatcctggaa caaggctaca gcgtcgaaga tccccagcgc tgcgggctcg gagagcagtc   60
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gctggcactc ttgccttccc cgtccctcat ggcgtgctc cgacgcccgga cgggtgtccag  180
tgatttggan aatattgaca cagganttaa ttctaaagtt aagaatcatg tnactattag  240

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gcgaactgtt ttagaagaaa ttggaaatag anttacaacc agancagcac aagtngctaa 300
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 actgaaacct actgcttctg tcaaaccagt acagatggaa aagttggntc caaagggtcc 420
 ttctcccaca cctgaagatg tctccatgaa ngaagaaaat ctctgccaaag ctttttctga 480
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<210> 2705

<211> 780

<212> DNA

<213> Homo sapiens

<400> 2705

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<210> 2706

<211> 512

<212> DNA

<213> Homo sapiens

<400> 2706

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ttatatatag aagtttataa ataaaccagg tcaggtttgt atatgtataa ttgttgacat  180
caatgatgtc tttccatatt cttatctggg ctttaagaaat acattctgta tttttccaga  240
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<210> 2707

<211> 355

<212> DNA

<213> Homo sapiens

<400> 2707

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aggatgaggg tgaggagaag tatgaggtgg tgaaactcaa gatcccatg gacaacaagg  180
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ctgcagcctt gaactcttgg gctcaagtga tcctccttcc tcggcctacc aagttgttgg  300
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<210> 2708

<211> 746

<212> DNA

<213> Homo sapiens

<400> 2708

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gttttcccg attttgagtc tgaaaaaaa aaaggttatt ttgccanaac cttccaattt 720
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<210> 2709

<211> 620

<212> DNA

<213> Homo sapiens

<400> 2709

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gatggtggac cgcgagcaac tgggtcagaa agcccggctg gccgagcagg cggagcgctg 240
cgacgacatg gccgcggcca tgaagaacgt gacagagctg aatgagccac tgtcgaatga 300
ggaacgaaac cttctgtctg tggcctacaa gaacgttgtg ggggcacgcc gctcttccctg 360
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gagggtcatc agtagcattg agcagaagac atctgcacac ggcaatgaga agaagattga 420
 gatgggccgt gcgttccggg agaagataga taaggagttg gaggctgtgt gcccggatgt 480
 gctgagcctg ctggataact acctgatcaa gaattgcagc gagaccact acgagagcaa 540
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 gaanaaaaaa agggcnacgg 620

<210> 2710

<211> 833

<212> DNA

<213> Homo sapiens

<400> 2710

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 aaagaatact aattcatttt atcactttca ttggtaaaac ttttaaattc aacacctgaa 180
 aatcatgagg gaaaatgatt acctcttgag atatattatt gatgacattt aaagggaaaa 240
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 tgttttccta ttgaaaaaca attaccctgg ttacattctc caaaagaatc tcccaaata 780
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<210> 2711

<211> 829

<212> DNA

<213> Homo sapiens

<400> 2711

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cttcttgatc anatttgga ggactaaaga tgcaggattg ggtgtttact cctttggcac  720
tcctaaatta atgtcagttt accaatgntg ggtggaagtt ttcctaagtt cccnngttna  780
aatgggattg aatttaataa attgatnaa aatnttttg gaaagaacc                829

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<210> 2712

<211> 715

<212> DNA

<213> Homo sapiens

<400> 2712

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aaaattggat ggaaagaaat tctgtgtgct cccaggattc cagttcctta ccggaggttg   60
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cagagccttg gcaagctctc ggtcagagcc agcttgctgt gtgcacattt ggctcatctc  180
cccggcggat ggcagttgca cagtcatccc gctgatcttc anagtgttgg aaggcttcgg  240

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ggctgaggtg gaaaaaggta acattgattt atgtatctct ttctctgggc atctctatat 300
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 gggaaagggg aaatctcaca gggcagaana aatgtccggc attttttgtt tatgaaagaa 420
 gatacgaatt aactcattta aaagtttgtt tcttaaaaga caaatacaca tcccaaagt 480
 angaatctag ggataagcta aacagccaan actggagcag tctctcacct tgaccagaaa 540
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 tcctgaacgg gttccgtctc ctgctctanc ttgaacagct tcaaataaaa ttctggttat 660
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<210> 2713

<211> 749

<212> DNA

<213> Homo sapiens

<400> 2713

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 tttttccttg tggatcatcca ggaggtgatc aattacatgt gcacagtgtc aggacgggag 180
 gcagagccgg ctcagancag gtccaccagc ccacctatag caggaagcgt gtcggtgctt 240
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 tcgtggacag gggcttttgt tccaaaactt ggacaaacct gatgccttaa ggaaaagggt 360
 aagatgagag ggggcttcca gagtcaatga acgtcacctt tcagccgacg gataccggga 420
 gcgcttgggc aaaacagcag anaaagaaag actgtggtcg gggaagtgga atgcttcgat 480
 gcaggccaaa attcaaggct ctggggctgg cctcacaana agcttcttcc acggggcttg 540
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 atgacatcca cgtgttcttg ttcgacncan cggttccng gaacaaattt ancgtgggg 720
 gactatctgg ggctcgtctc tctgttctt 749

<210> 2714

<211> 819

<212> DNA

<213> Homo sapiens

<400> 2714

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tactctgata aggaaagtcc caggacttat cagctgggat aggcctcact tacaagacag   180
ctctgttcag tatttgaag aaagcctgac aggtttcttc ggaaaagtgg ccatccatgg  240
aatgaatgaa atgttctctt tctattccag ggattgcagt ggcaaagcta ggctaggtct  300
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agaaaagccg aaatggattc acggtgcctt ggatgaagga cgagagggga actgcaagct  420
ccttcaactg gttctgtccg gtgagaagtg atcaagcttg ggctgacaag aagctcangg  480
agccctcacg ttctttcget tttttacctg ccaaccaaac tgctacaaga caacaccctg  540
atctggcatg gacatcncgg gtccaagcct gtaaccccaa atcggataat ctctgcagct  600
gataacaagc aaaagaaaac cangcaacac catattaaag aagaaaacaa tcaactctga  660
aatccactta gaaataatgt ttcatcctaa ataaggctct tgctttaaga aattgttacc  720
tggcttgcat cnttcctaaa aactcctatc gtctgttttc caaaccccaa nggaaggaac  780
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<210> 2715

<211> 736

<212> DNA

<213> Homo sapiens

<400> 2715

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ggctccgttc tccctcgaag cactcccccc agctccatga atggaaatcg gctccgcagg  120
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acccgctggg gccagcccc tactcatggt gccagaaga cctggctatg gcgcatggg 180
 caaaccatt aaactgctgg ctaactgttt tcaagttgaa atcccaaaga ttgatgtcta 240
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 tgactcaatg gttcagcatt ttaaagtaac tatatttgga gaccgtagac cagtttatga 360
 tggaaaaaga agtctttaca ccgccaatcc acttcctgtg gcaactacag gggtagattt 420
 agacgttact ttacctgggg aagggtgaaa agatcgacct ttcaagggtgt caatcaaatt 480
 tgtctctcgg gtgagttggc acctactgca tgaagtactg acaggacgga ctttgcctga 540
 gccactggga attagacaag ccaatcagca ctaaccctgt ccatgccgtt gatgtggtgc 600
 tacgacatct gccctccatg aaatacacac ctgtggggcg tcatttttct ccgctccaga 660
 aangatatta ccaccctctn ggaagggggc agggaaattt tggtttgat tcatcantct 720
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<210> 2716

<211> 664

<212> DNA

<213> Homo sapiens

<400> 2716

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 aatagtaacc caaagatcgt gcagctcttg gcaggagtag ctgatcaaac caaggatggg 240
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 gtcaaaaaa tttttggaca gactattatt catcatcata tcccttttaa ctgggattgt 420
 gaatttatcc gactgcattt tgggcataac cggaagaagc atcttaacta cacagaattc 480
 acgcagtttc tccaggant gcaattggaa catgcaagac aagcctttgc actcaaagac 540
 aaaaanaaaa gtggcatgat ttctgggtctg gatttcagt acatcatggt taccattaga 600
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tctc

664

<210> 2717

<211> 684

<212> DNA

<213> Homo sapiens

<400> 2717

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gctcctttga tatctgaacc tctgttatgg gcttctctga gacaagtaaa tgtcaggtgc 120
aagatctgga tactaacagt ttcagtttgg gaaatccaag aaaaagaatt atcaagtttg 180
ataggggaagc tctgtagcct tgactccagc aagaagaaaa ggtcaaaacc acgtgtttcc 240
caaaagtcca gactacaatg attcagctga cttgaggaca aggcctagca tttggctgag 300
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aactatgcat gatttctcaa acttcaagat tcatgtctgg atgtattatg ctgtggatat 480
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tgtgacttgg tccttaagtc aggtcactat ctgcctccca ccctgggggc aggactgaag 600
tatanaaaaa catcntggct gttcaggaag ctgtggtttg aaaactganc ccanaaggc 660
actttcactg ncctccatta atgt 684
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<210> 2718

<211> 588

<212> DNA

<213> Homo sapiens

<400> 2718

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ggggagacac ttaagggaaa ttaaactgca gagtgaaga natgcctcag tcaagtcagc 180
 caaaaacacg cgggtcatcc ccaagcccca ganaggcttt gaattgaagg cgantgcctc 240
 agaatttgca tccattgttc tgtctttcct gggaagttat tcctcctggt ggccagccca 300
 ccgacaaaat ggatttggat ctactggacc tgaatccac aattattgct gcaattaaga 360
 aagccaaact gaaatcggta aaggangttt tacacttttc tggaccagac ttgaaganac 420
 tgaccaacct ctccagcccc gangtctggc acttgctgag aacggctcct tacacttgcg 480
 gggaaacaac atccttacag cactgcagct gcaccancag aaagaacggt tccccacgca 540
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<210> 2719

<211> 659

<212> DNA

<213> Homo sapiens

<400> 2719

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 ccgagcggcg ctaccaaaaa cagctggggc tggtagccac gtactttttg gggatcctga 180
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 tctacggcgc cagccaggag ctgcttcctt acctggaaag angatgctgg ggccaagggc 300
 tggagggctt ctgccgccac ttggagctct ataaccaatt tgctgccaac tcagagaggt 360
 cccanaccac cctgcaggag cagctaaana aaaataaagg tttccggang tttgtacggc 420
 ttcaggaagc cgccctgggt ttgggggcct tcaactcaag acctgctccc tctgcctctg 480
 caacggctcc agcagtatga naatctcgtc ctanctttgg ctgaaaacac aggtcccaac 540
 agccctgacc atcaacaagc tcacacctgt ccttccctca tgaanaacta ctgcttatgt 600
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<210> 2720

<211> 590

<212> DNA

<213> Homo sapiens

<400> 2720

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ttctgttttt tttttttttt ttcccaaag tcttgctctg tcgccaggt tggagtgcag 180
tggcacgata tcggtcact gcaccctctg cctcttgggt tcaagcgatt ctctgcctc 240
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ttttggtagg gcggggtttc accatgatgg ccagggtggt tttgaactcc tgacctcaag 360
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gcccactttt ctttctttcc ttcttatttt gttatgctgg cagccatttg cccctgcatg 480
gtatgggata aaanangana gcctttctc cctcaccttc tccaaatcta ggtgaaatca 540
cagantacaa ctctgagaa tgctgaatgt gtaaagttgc agangggata 590

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<210> 2721

<211> 688

<212> DNA

<213> Homo sapiens

<400> 2721

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gagctggggc cgtggcctgg cctggtgagc ggctatacgc tgctgggtgg gcctccactc 540
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gggccggatc ctggaacccc nggccctnct gtcnggttcc caacttcacc tgggtctcct 660
acaacaagga acttctccaa ccaccatt 688

<210> 2722

<211> 894

<212> DNA

<213> Homo sapiens

<400> 2722

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cgcatccccc tcagtcgctg tgagcggtat ggatcatgta aaaagtcttg tattgcatct 180
cgtgacccgt attgtggctg gtttaagccag ggatcctgtg gtggagtgcac ccagggatg 240
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caatggaaat actaaatccc atgggtaatg gaccatcnna nggccacccc ccaaaattng 720
gtgctcttcc ctactcccng aattctacac ccggtgcttc caccaaaaaa aaaccggcn 780
gggcatgaa aaaaccccct ccagaaaaan ggcccntggn ccttggaac ttccaaagga 840
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<210> 2723

<211> 618

<212> DNA

<213> Homo sapiens

<400> 2723

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aaaggagtcg cgccgccgcc gccgccccct ccctccggtg ggcccgggag gtagagaaag  120
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ggtggctcct ggtaccgatg gagtcctgac ctactcaggg gtgcccggga tagaaagggt  540
agatgaaggg acgctttagg agggttcttt ttgtggagtt taccgtctag gtggcncgga  600
tgangentac ctccccca                                     618
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<210> 2724

<211> 647

<212> DNA

<213> Homo sapiens

<400> 2724

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gccccaaagca gtctggaccg aaaagaaagg aaagaatacc cacctcatgt ccaaaaagtt  180
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ttagaggatt tgcaaagaaa ttgcagacaa gctattactt tgaatgagtc tactggacca  420
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ttattaagaa cgtnattca tcagaattct ggaggacaga agtcacaaaa cacaggatta 480
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 tgtgatgaca gtaaacgcac ttatttacag actaatggaa aantcatttt acctggggcg 600
 aaaataccccc naatcncnaa cttgaaagaa aggaaaacna gtttgtc 647

<210> 2725

<211> 570

<212> DNA

<213> Homo sapiens

<400> 2725

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 ggataatggg ggggtggggcc cgttgggggg taaaggggca atagcgtcct ttcacaggct 180
 aacctcggtc ctccccagtc ctctggacta aaatgggggaa cacattgggc ctggcaccaa 240
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<210> 2726

<211> 623

<212> DNA

<213> Homo sapiens

<400> 2726

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gactacttca tcctcatcct gcaggggaag gtggaggtgg aggcagggaa nganaacatg 180
aagtttgaga cgggcgcctt ctctactat gggactatgg ccctgacctc ggtcccctct 240
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<210> 2727

<211> 649

<212> DNA

<213> Homo sapiens

<400> 2727

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gaaacaattg cagcacttac agacataacc aacttgaacc atctggaatc tgatgggcag 480
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<210> 2728

<211> 756

<212> DNA

<213> Homo sapiens

<400> 2728

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aggcatttga aggagaatac cctaaattat tacgtcttta taatgactta tggaagcgtc 180
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atgttgacct acaacacatg gaagatgatg cacaagatat attcatacca naaaagccag 300
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ttgccccaat cattaacaaa ngttgtttcc antcagantc cattcccact gggcagcttn 720
aacaaactta taattttcag ctctaangg ctattc 756
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<210> 2729

<211> 590

<212> DNA

<213> Homo sapiens

<400> 2729

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gaaaagggat tctccctgct gtcacagaat tgtgaatttg ctggcaattc tgaaggcatc 180
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 aaccttaaaa cggggacatt atcctgtatt atccanaang gtccagtgtg atcttatgag 540
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<210> 2730

<211> 679

<212> DNA

<213> Homo sapiens

<400> 2730

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 aaatagataa aatggtagan accacagagt taatgactgg gaatattcag agcctaaaga 180
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 ctgcaggatt tattatctcc tgatatgcct ttaaaattag tctttgtagt tctatcatta 600
 acatctaag tagttctgaa gactgttttt ancanttgnc anatctagga aaactaacgt 660
 ttatattgct gtnatctat 679

<210> 2731

<211> 626

<212> DNA

<213> Homo sapiens

<400> 2731

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aaccactacc acgtcccaa gtgcaacggg acccacggga actacatgtg tggggcaggg   60
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tgtgttgagg gaagatacga agtcgcggga gcagttgggg actcaatgtg tgggcaacaa  180
gggtcctgct gagctcagga gctgcacgga atggtggcag tcaccttgcc agtgcagcag  240
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gccgtctcca tcctcagagc cggaggctgg cccttcacag cctccagtca ggcagggggc  480
cctccagggt ggctgtctca tgggctacag ccagcaggg ggggcgacat cccccggggt  540
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<210> 2732

<211> 675

<212> DNA

<213> Homo sapiens

<400> 2732

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aaaagaaaa agagagtatt aaaatttctc attgtaaaat ctatatTTta gaatcactct   60
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gttctttttt tttganacag ggtcttgctc tgtcgcccag gctggagtgc agtggcgtga  180
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aagcaactgg gaccacaagg tgtgtgccac catgcctggg taattttttg tttttttgtg  300
ganatgcggg tctcactgtt ttccangctg gtctcaaatt cctgggctca agtgatcctc  360
ccacttcagc ctcacattgt tgggattaca gtcacnaacc actgtnccca tccatatgtc  420

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attctttana cacactactt actaaatttc tctttttaaa gggatatact gaatttccgg 480
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 aancaatcta gaacttaacc tttaaattggc tttattaaag aaatccccta tgaaaatcnt 600
 gcaaaatgat tattttacnaa cnatcctacc cagcacataa naaattcctc ctcnattctg 660
 aaataccatc ttctc 675

<210> 2733

<211> 466

<212> DNA

<213> Homo sapiens

<400> 2733

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 gttaaacgta actgcaattc ttcttatagc actggttccc tattcttcag tactgcagag 180
 tgaaagggca gatgaaaact ttacagtcc aactttattt aaaaacctta agtacaaatc 240
 aggggtgattt gcaaagccat ctcagcagaa gtcaatgtag ccattccctg atggttggct 300
 cttttcttcc tgttgtgaa attcctatct agtaagcatt gagcacggaa cgaggctctgg 360
 ctgggcttgt ccaggancct tgtgagggtg catcacagaa tggggctgtg tgatcatcca 420
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<210> 2734

<211> 605

<212> DNA

<213> Homo sapiens

<400> 2734

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gttctgaggc tgggctggga naccgtgggg ctgtgaggag cgcatanaac cgtggtggag 180
 ggCgaggctg ggccaccggt tcttcaagct cggaatggag ggggaagagc gcagagggct 240
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 ttccaggaag ggtcttcgaa accctctccc cacagcccct ctCgtcatta gcatggcaat 360
 gaggagtttc tgtaattcna cttggagggg cggatgatcc cttggaaact cananctcgc 420
 cgaaaaagcc gggggcggcc gggctcttct tccccacctt ccctctctcg tcgctctccg 480
 cccctttctc tttccactc agttttgcac cgggganccc tccgggatgc ggaactactc 540
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 cccac 605

<210> 2735

<211> 738

<212> DNA

<213> Homo sapiens

<400> 2735

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 aaaatttctc ttcaacctat agcaactgtt cccaatggag gcacaacacc taaaatcagc 180
 aaaactgtac ttttatctac taaaagcatg aaaaagggtc atgaacatgg atccaagaaa 240
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 cctagtcatc attttatgcc aggaagtcct accaagactg tgncaaaaa accccaggaa 360
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 caacgctgcc cttgctactc taaccgcaa gcctgcttag attgtatatg tcgtggctgc 480
 caaaactcct atatggccaa tgggganaaa aactggaggc atttgccgtg ccanaaaagg 540
 cttggagcag accangctca ctttgggcat taacgtgact ancattgctg tgcgtaacgc 600
 tagtaccagc accagtgtaa taaatgtcac agggctccca ntaacgacnt ttttagctgc 660
 cagtacacat natgataaaa atttgatga aactatnaca tganatccac tgtttaaatc 720
 cgtgggtctt ttaaaacc 738

<210> 2736

<211> 622

<212> DNA

<213> Homo sapiens

<400> 2736

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gtctgggaag tgccatggta aatagtcaca caggccagat gagagactga ggtgtgcatg   180
ttctgtggga ggggaagtgt agcctgcggg tgtggaatgg tctgggtggc cgtgggaaac   240
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gggagacggg gctggagagc ctggggagag gggaagctct tctggaggga gtgggtgcac   360
cggcgcactg cgcagcctcc tagtaaaggg cctgcagacc cagctggcct catgcctgga   420
ggccttange gactctgang aaggcagttc cagaacagtg agtcaggacc agatgcagtg   480
ggttgcaagt agaaccagga ncaganactg gatgtggtgt attgtttcan aaccttccan   540
cgtgagtact accatatgga taccttagcg tgggaagcgc ccaggccacc cccggtccgg   600
gtnanaaaaa gcccanaact ca                                           622
```

<210> 2737

<211> 661

<212> DNA

<213> Homo sapiens

<400> 2737

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accgancagg aatccgtatc tgggaacagg tganagatga tgtgtgctgg gccttggagg   60
aagggggccg anaccgggcc ttacttctgt aacgatactg tgaggcatcg gaaggccagc   120
ctgttgtgtc cgttttgaag gtcgggtggc tagactggct ggccttctag ggtgtgtgag   180
acttcccaac tctgcccttg tgctttcctg gaatccccaa tatgcccgga ccccggttta   240
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ctcctttgct gcgagccctt ctctcccgct cagagttgct ccgagcctat ctgctcagtc 300
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 gcacccatgg gttctcgctc caatgcttct ttcttccttg gggcgtaact cagaccctgg 420
 gcacccctct ccaactgcca ggggagacct gggttctaga ttgggctctg cctctactat 480
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 tcagccccta atcctggggg actttactct gtaccgcctc cttaccacgc cttgtgcacn 600
 ccactctgaa ngcactgaat tctancctgt ttattgtaan tgggtgattaa nttgggtctc 660
 a 661

<210> 2738

<211> 715

<212> DNA

<213> Homo sapiens

<400> 2738

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 ttctcttgaa cgcctatgaa gatgatgttg atcctgaaac actaagctac gctgggcagt 180
 atcctttctg aaacagaatg gtagaatttg tgcatttttc ttcaatattt ttatggatgat 240
 ttttttgtga ggcatttagt aaaaagcttg cacattattt ttgtctctct tttttatagt 300
 gaaatctgta tattgttcat tttaaattacc atgctagtga aaattgagaa caactttttg 360
 tttataaacc cgaggctcat ccactatgca tcctgattac ttagattgac tgacagaagc 420
 atgcacaggg tccgtcactt acggtacaca ttcaaagggt ggctcttgag aggacctcct 480
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 acttaagtgg tggctaagac tttccctctt gtttccctta agggaaggaa tcagtgatgg 660
 gcctgggncc ttgtcaaaaa anaccaactc ctgcggaaga cagatngana ctanc 715

<210> 2739

<211> 755

<212> DNA

<213> Homo sapiens

<400> 2739

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atagggaaaa tattgccagc gttttcagtc attctgtgca tgctgcttta agcaagagat   60
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cgtccctact gttgccatta attggagctg tccttaagat ggtcaccata ttcttattca  180
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gatgttagca gactctgggg tttgtacagt gatgccttct ccctggccca gagctgaata  300
ttcatctaga attaaagttg gatttgatat acaaatttc tttctataca ggttttacat  360
aagagagaca gtaataatgt caaggatagc ctgtgtgggc agaaattggt agtcgtgctt  420
ttgaatgtca gctgtagagc caactctgat tatctagcca ttgatcatac aaattgatag  480
aaacattagt cagtaatttt agcttcttgc caaattgttc acaacatcta aatgtaatgg  540
tgatgtgatg aanataagta gtacaaagan accaaaataa tttggggaga attangaatg  600
atgacaattt tttttaacaa cttacctcta ataaggttac ttgggatgaa ccaactcanc  660
ttccttccca tggatangaa aggactctgt gntttattcc ngtttattgg cacaaaaata  720
cttgttttta aanttcctg aaaaaccctt gatgg                                     755

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<210> 2740

<211> 804

<212> DNA

<213> Homo sapiens

<400> 2740

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gaataagagt ggagcctgga aaataatggg ttttgatttt tgtgtatcat caaccaatcc  120
ttctgaacaa gagcctaaat ttccctgtaa agaatgggac ccaaatttac cttcattgtg  180
tcttccaaat cctgaatatt tggctcctga atacatactt tctgtgagct gtgaaacagc  240

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cagtgatatg tattcttttag gaactgttat gtatgctgta tttataaag ggaaacctat 300
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 tcgttttagga tctagttcac ttacaaatat acctgaggaa gttcgtgaac atgtaaagct 420
 actgttaaata gtnactccga ctgtnagacc agacgcagat caaatgacaa agattccctt 480
 ctttgatgat gttggtgcag taacactgca atattttgat accttattcc aaagagataa 540
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 tancctttgt ttgcccatt gttctactta ttggctgaag gaatgcccc aaanaanaat 720
 atgtctaatt taattccttc ctgaactttg ggccccgtgt tttagcccc aggancccat 780
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<210> 2741

<211> 652

<212> DNA

<213> Homo sapiens

<400> 2741

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 gaanagcttg gggcctgcct ggtcctcggc cacggtgggg ctggggcctg tgactgcgtg 180
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 ggcgccccca gcctgtgca gccacctgg gctccacatt tcggcccctt ctcctctccg 300
 ctgctctggg ctcanccacc aagctccag ctgtgggcag aatccactgg ggcgcangaa 360
 acctcagctt ccgcagccca cctggccttc gcagtcttcc tctccagggt tttatttcaa 420
 catggccttt tctgctgcga ctcaactgtg gtangggcca agtttgggtg tgtgaagcca 480
 nggaagtgcg ttgtgttctc ncggaaaaa aaaacgcanc ganggaccg ggcacacgga 540
 ccagctcacc aaccgcagcc aaaccaccaa ttctgtcccg tggcccttg gtgaacggtg 600
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<210> 2742

<211> 610

<212> DNA

<213> Homo sapiens

<400> 2742

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tccggtgctc agtggctagc cgaatagccg tgtttgggac ctgggctcgg gcttcttgcg 60
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ctacttttca accaggtcac tagcccttga ctctcttat caaacttccg gaactgccac 180
cccaccagtg actccacagg caccagggca tgcaacaggg ctgggacagg aaggctctct 240
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tacaagatct ccaaatagtt aaactggaag aagattccca ctgggagcag gaaatttccc 540
ttcnagggaa ttaccctgga ccananacat cctgccagan cttttggcat ttccgttacc 600
aagaancatc 610
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<210> 2743

<211> 857

<212> DNA

<213> Homo sapiens

<400> 2743

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aggttccaag gaggggaaggc gttcggcttg ctcaaagccc ggcaggagag gaggtggcc 180
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aagctcacag ccttcaaaga gaagtacatg gagtttgacc tgaacaatga aggcgagatt 300
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gacctgatgt ctttaaagag gatgatggag aagcttggtg tccccaagac ccacctggag 360
 atgaagaaga tgatctcaca ggtgacagga ggggtcagtg acactataac ctaccgagac 420
 tttgttgaac atgatgctgg ggaaacggtc ggctgtcctc aanttagtca tgatgtttga 480
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 ctttaaaagg ggctctgggt tccggggaat cctgaacctt ggggttccct cctctcttct 780
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 aaagggggca gggcccc 857

<210> 2744

<211> 586

<212> DNA

<213> Homo sapiens

<400> 2744

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 gggatatant gaacatccac atcngtgagg ttgtcatcaa gcaaatgaan gaatgttatg 540
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<210> 2745

<211> 633

<212> DNA

<213> Homo sapiens

<400> 2745

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gtgcctatgg accaaagctc caggggtcaa gataaacan aaagcttgca accaagacag 180
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tacaatgtna atgggcagtc ccccaaagaa tgcctccggc tgtggctgaa caatggtatc 420
caagccccan atgtctattg tgtanggttc cangaacttg atctgagtaa ggaagctttt 480
ttctttcacg ataccccca ggaagaanaa tgggtcaaag ctgtgtcaga aggtcttcat 540
ccagatgcca aatatgcca ggtgaagctt atcccactgg gttgggatta tgctgtgtgt 600
atatntcaac aggancatgc ncttatatc tcn 633
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<210> 2746

<211> 864

<212> DNA

<213> Homo sapiens

<400> 2746

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cgggtcgttc caagtccgcg ctggctgggc gtgtcccggg caggaccag gtcccagacc 180
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cccgcaggtg gggaacgctc tgggcagcct ggagccactg cgctggatgc tgcgctcgcc 300
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ccagcacctg ggtgtctcct cacagggctg tgttgatcat cccatagttt tgacagaagc 420
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 cacctgggca ngccatcacc cctccagccc gccatgggaa gaaaaattct gccttnaaac 780
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<210> 2747

<211> 553

<212> DNA

<213> Homo sapiens

<400> 2747

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 tacganaggt cgagggcgac ctgggcacgc ttcagtggac cgagggccgc attcccaggc 180
 cgcgattcct cccagagaag gcaaaatccc atcagacctg gaaagcagga gacagggtag 240
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 ccagagacac gacnaggatg gaaaatccag aagccacnga tcaaagactg cccacagcc 480
 aacctcnnct tcaagagctt cagtaccacc ggcngccact tggccatgga attgctgtng 540
 gctgcgaccg gcc 553

<210> 2748

<211> 685

<212> DNA

<213> Homo sapiens

<400> 2748

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aaatgaaaaa acatgaaagg acttagcata atgttatttt atcttttcta caactttggt 60
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tctaggttta taaaccggtt tcacattatt tcatttgatc atcacaagag ctttgtgaag 180
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ataaacactc aataaagatt aaccataagg agagtcata tctggttcca ggaatacatt 480
gttagatgac tgaaaaattg tattacttca atgaaaatac tataaataat aacattttca 540
tatattagtt ggttctcatg catacataat ctaattttat ttgatcctca caactgttta 600
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ctgctttent tccacnaaaa ttatc 685

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<210> 2749

<211> 556

<212> DNA

<213> Homo sapiens

<400> 2749

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aatttaggat gattcctacg tttgggaatg gagggagagc ttaaacaaga tagagaatat 420
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<210> 2750

<211> 747

<212> DNA

<213> Homo sapiens

<400> 2750

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 aatctttctc anccaagatt tgctcctgtt ttaatcaatg ctgctgaaat aattattgat 660
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<210> 2751

<211> 570

<212> DNA

<213> Homo sapiens

<400> 2751

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<210> 2752

<211> 614

<212> DNA

<213> Homo sapiens

<400> 2752

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 tgagattaag gtggttgcca agggaaacaga aaacagccat gagtaaataa atcaagactt 180
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614

<210> 2753

<211> 592

<212> DNA

<213> Homo sapiens

<400> 2753

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gtctcggctt ccagctcgcg gggttcaggga antggtggaa acccaagaag ggaaaacaac  180
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attaccaaatt cacaggcctc ggcttcctga aaganttggt ccnaaaaaca aaccccaact  480
caaccggtac ctgacncnct gggctcctgg ctccntcaag cccatctaca aaaaaagccc  540
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<210> 2754

<211> 631

<212> DNA

<213> Homo sapiens

<400> 2754

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gaagcaaaac tcagtatgaa gctgttcaaa gtgaagggtgt tatgattcaa gagtggtata  180
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taacaattca aaaagctttt tgtagaatgg tcacaagaaa actggaaaca cagaaatgtg 300
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 agaaaagagc tgctatcact ttacagcatt attttaggac gtggcaaacc agaaaacagt 420
 ttttactata tagaaaagca gcagtggttt tacaaaatca ctacagagca tttctgtctg 480
 caaaacatca aagacaagtc tatttacaga tcagaagcag tgttatcatt attcaagcta 540
 gaagtaaagg atttatacag aaacggaagt ttcaggaaat taaaaatanc accataaaaa 600
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<210> 2755

<211> 751

<212> DNA

<213> Homo sapiens

<400> 2755

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 cggcacgccc gaccggctgc cgtgccaaaca gctgctccag caggcccagg ctgccattcc 180
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<210> 2756

<211> 608

<212> DNA

<213> Homo sapiens

<400> 2756

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caaggattta ttgatataca tcctcgggtc ttacttccta tcaagtaaca ttgttttgaa 360
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tgagtctgtc aaagaccttc ttccaatga agacgcagct gatgatgctt ttaagacaag 540
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tccaaaat 608
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<210> 2757

<211> 773

<212> DNA

<213> Homo sapiens

<400> 2757

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ggaatgggat catcctgagc atccaaatgg gatcatgatt ggatacactc tcaaataatgt 180
ggcctttaac gggaccaaag taggaaagca gatagtggaa aacttctctc ccaatcagac 240
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gacgcagggt ggctctgggg aagccgtcac agaggagtca ccagcacccc cgaatgaggc 360
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 ggtggcgaaa ggttcatttc aatgaaaaag ggtccttcat cggccaatta cncgggtccaa 720
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<210> 2758

<211> 697

<212> DNA

<213> Homo sapiens

<400> 2758

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 cacatcggtt ggagctgagc cgcacctgcg agttgcatct gggatctcca gttcaccggc 180
 ccctaagctc ctgagggttg gcctgaccct gaggttgcct gtcaatcacc atttcttccc 240
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<210> 2759

<211> 751

<212> DNA

<213> Homo sapiens

<400> 2759

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gggcgccaat ctttgtcac tgcaaccctt gccctcccgg ggctcaaacc gaatctcctg  660
gcctcaagcc tctcgaantt acttggggaa ttaacaggcc atgcgttcan ccactcccaa  720
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<210> 2760

<211> 412

<212> DNA

<213> Homo sapiens

<400> 2760

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atattctggg aagtgacgtg tatcatttct actcgttggc cagaaatggt cagctggccc  180
taaggtaatg cagaaagatt tggaaaatta ggggagtaaa tgaaatattt ggaacncttt  240
caatccnagc agttcttaat gtttcccca ctatcatgct agcccatgcc accacctttg  300

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cctgaaatac tgcaagtatc ctaattaatc ttcctnatcc taatcatgct ccaatatgat 360
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<210> 2761

<211> 769

<212> DNA

<213> Homo sapiens

<400> 2761

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<210> 2762

<211> 649

<212> DNA

<213> Homo sapiens

<400> 2762

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<210> 2763

<211> 745

<212> DNA

<213> Homo sapiens

<400> 2763

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<210> 2764

<211> 770

<212> DNA

<213> Homo sapiens

<400> 2764

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<210> 2765

<211> 578

<212> DNA

<213> Homo sapiens

<400> 2765

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<210> 2766

<211> 783

<212> DNA

<213> Homo sapiens

<400> 2766

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<210> 2767

<211> 685

<212> DNA

<213> Homo sapiens

<400> 2767

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aagttaaatt ctgaanctgt tagaagtcag tgggccaatc tttcatggga attactttat 660
gccnncnag atgatgaana acgtt 685

<210> 2768

<211> 817

<212> DNA

<213> Homo sapiens

<400> 2768

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 aactgccatg cggttgccctg caggtcgggc cacactgctt cccatgccgc tatctggcag 480
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 cctttatcca agtgtctacc ctgccatgcc ggctctctgt tgttcttgaa ggnccctggtt 660
 ccacttaaaa atcccctgcc ctgcttgggt nccaacaca aagggacaat cncctgcaact 720
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 gaaacctccc ggcccaaact cccnaaaaa accccna 817

<210> 2769

<211> 533

<212> DNA

<213> Homo sapiens

<400> 2769

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 ggggcccggg ccatggatgt gcgccgtctg aaggtgaacg aacttcgcga ggagctgcan 180
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 canccaccgc cgcccgggct gcagccgcac gcggagcccg gcggctactc ngggccggac 420
 ggacattatg ccatggacaa tattaccang canaaccaat tctacgatac ccaagtcac 480
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<210> 2770

<211> 609

<212> DNA

<213> Homo sapiens

<400> 2770

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aagacgcagt cttcagcaag ggaagtgctg ggaacgccct ggagtgaacc caggaagatg   60
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actgctgtga acggcctgcg gagcaccacg tgcgacggct ggaggcgaaa ggtctgcctt   180
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ggggagggcg ggagcagcgt cccgggtgcc cctgtgagga tgagcgacga gatgactgga   300
gggtccctga agacctcact aggggtgccc cagccgggtcc gctcccagga agcgacaccc   360
ccacagcccc agggctgcag ctgagggggg cgccactctg gctgggcgag gctgggccct   420
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cagggtcac tagcattgga cgctttcacg ctctgccctg ggccggaagc cccctcacc   540
cgcgcgatgt gcaaactcct tgcanggctc actcantttc canaacttta attattgga   600
agttctccc                                     609
    
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<210> 2771

<211> 622

<212> DNA

<213> Homo sapiens

<400> 2771

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ggagacaccg gaaggagccg cggctgctgc gggaagtggc cagttcagga ggcggacccc   60
ccgagggcag cgctgcgggg ccgttttccg gccctcctga cgcgacactg cccctctccg   120
agagctgaga aggaaaaanag gagcttgagg aggtgcggct gcaggccgtt gttggtcgag   180
ctggcgggtc ccgcgggcca ggccgtggag agctcctgaa ggaagcacta aacatggaaa   240
    
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ggaacaaccg gtaccagcca ctgcaaaaac atgccaaatt gtaaagacca tcgatgttag 300
 gaanaaactg cctcaactaa tgagcaaaat aaccagctaa catcgtaatg acaggatcaa 360
 attcacacat aacgatatta accttaaagg tgttacctca ttttgaaagt cttgggaaac 420
 aggaaaaaat tcctaacaaa atgtcagctt ttcnaaatca ttgtccacat ttggattcag 480
 ttggtgaaat aacaaaagaa gatttgatac naaaatccct tgggtacttgt caggattgta 540
 aantccaagg accaaatctt tgggcatgtc tggaaaaata aatgttcata tnttggctgt 600
 ggtgaatcnc aattnaatcn ca 622

<210> 2772

<211> 420

<212> DNA

<213> Homo sapiens

<400> 2772

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 gaaaatgctg accattggag gtgcccaca gtagaatggg ctactgtgag gggtagttag 180
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 ggcacttcta tacctgtggg acattggact ggatgagccc tgagccagct tccactccta 300
 cctgaataga aaactcactg caccnccca caacacntga taaacacatg tcctcactga 360
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<210> 2773

<211> 499

<212> DNA

<213> Homo sapiens

<400> 2773

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 aggtgtcttc ttctctctcc cagagcaagg aggacttata cttggacagc ctgtcctccc 180
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 cngccatgcg gaaaggccac aacctgctga anaagaaaga ngagaagctg aatcagttgg 480
 agtcctctct ttgggaaga 499

<210> 2774

<211> 668

<212> DNA

<213> Homo sapiens

<400> 2774

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 ttccggtagg agactttctg gatggggaag atttccagga attggcaaca agctcatttc 180
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 gtatatgatt aacggatgga agtgcaggac tccaagattt acttccttc ctttccagca 360
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 tttaccagct gaaggatctg catttactgc tcaaccacat ctaatttgat gtcctctgca 540
 gatttaaaat gtgtgccttc ttttccgtca ccaagtcac cctgggttnc tactggaaca 600
 tccttctcaa ttccccccga cccatggatg gctgttctcc attgtctgtt tcnccanatg 660
 tcctccnn 668

<210> 2775

<211> 810

<212> DNA

<213> Homo sapiens

<400> 2775

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gaaggaagcg gtggctgctg cggatgtcgg tgtgagcgag cggcgccctga acacacggcg   60
gctgccgagc gcctgacccg ggccctgcgc agagcctgca ccgagctccg gggccccaca  120
cccgtacgg  tggccctgcg cccgttgcta ctgaggcggc gtgctctgca ttcttcgctg  180
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tgcctgagtc atcgccgccg ccgccgccac agccatggcc ganagtgggtg aaagcggcgg  300
tcctccgggc tcccaggata gcgccgccgg agccgaagg gctggcgccc ccgcggccgc  360
tgcctccgcg gancccaaaa tcatgaaagt caccgtgaag accccgaagg aaaaggagga  420
attcgccgtg cccgaaaata gctccgtcca gcagtttaag gaagaaatct ctaaactgtt  480
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cntcatccaa ctctaatat taactctaca tctggttcct gctactaaca accctttttg  720
gtttaagttg gccttggggg gactttgcaa ggtctnaatt ancttggggg ttgaaatact  780
aaccaanctt tctctnaaat taacnaaatt                                     810

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<210> 2776

<211> 813

<212> DNA

<213> Homo sapiens

<400> 2776

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ggttttagaa agtagcatta gtattgcagc tagccacaat aatttagttg aaatttaaatt   60
cacaatatatt agccctctta aaaatgcaat acttacatcc ctatatataa ctacatatct  120
atattctctc tatatagtat cctgtatgtt atttatccac tatacatctc tatatagcta  180

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atatgctata tattactata tacagtata atataaatat acacacattt tatgcattat 240
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 gtgtcaccta ccttggcttc caatatcaga gacttctact ccagtgtcca tttttatacc 360
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 atcacccag gagttttcta ctccctctcc aatttgggca gttccaggag tccatagcac 480
 aggtgtagaa acacttaaca agttaagaaa actgagtaac aaaaatattg ctatttgatg 540
 aactgttgaa gatgagaatg aaagttttct tcttgtaaga ttgattcaag tgtgccccaa 600
 gticctangg gaaaaaaaaac ttaatatanc tacactntgg atgggtggaa cnatggaaga 660
 agaaaaaaaaa ctengggcag attttatggg atgccattaa taagaaatgt tgaaaaaaaaa 720
 agaatccctc aacattttta anttattagt tactaaaatt taaatttggg gccctaaaaa 780
 tcctggtttt tttccccgga aaaacttgga ann 813

<210> 2777

<211> 511

<212> DNA

<213> Homo sapiens

<400> 2777

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 gtgatgagtt tccgggtgtc tgagctccag gtgcttcttg gctttgctgg ccggaacaag 180
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 ggtcctctan ctccattcc cccaacgctg ttggcccctg ggcaccctgc tgggccccaa 420
 gcgtgaggtg gacatgcacc cccctctgcc ccancctgtg caccctgatn tcnccatgaa 480
 accattgccc ttctatgaan tctatgggga n 511

<210> 2778

<211> 577

<212> DNA

<213> Homo sapiens

<400> 2778

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aagcgcgttc ccggcagctg cgggctccga ggccaganag aaaagactgc gaggtggccg   60
cagctgtggc cggagagcac aaagaatgaa ccagcagtgg aagagaaaat actgtaagct  120
ggctgactgc tggatgaanaa aatgctttat ttttgtggca ggcatctgtg ggatctgtaa  180
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ccgaggattt ccttgacaag ccaaccttgt tgtcnccaga agaactcaag gcagcaagta  480
gaggaaatgg tgaatatgca tggattatg aaangaagaa atgggtgggtg gcagtacgat  540
gagcgcacta ntananaact gggaanatgc tttttcc                               577

```

<210> 2779

<211> 400

<212> DNA

<213> Homo sapiens

<400> 2779

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atttacacaa gtattgttga gggagtgatt ttttcttgat atgcgtctgt tttcatttat   60
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tagctaataa tgttctctgt ttatttctca tgaattccca ttttgtggct aaagaccaga  180
cctttgcact atttcatcaa gattatttta ttgaggtttg gcttacatat agtagaggca  240
atacatatga gatacgcaac tttgtttttg cagctacaat gcactttctc gatctcatat  300
gtttttgtct tgtatagacn gacacaagtt cancatgttg canattggga atagttagct  360
atacaaaaga gattttgagc ctagatgagc ttaggataga                               400

```

<210> 2780

<211> 823

<212> DNA

<213> Homo sapiens

<400> 2780

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aaaaaaaaa taaaagatgt atatcaacaa anccaatata tggaatagtg ccttagatgc   60
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tgataatfff ggaagtgagc atcctggatc aaagcaagaa tttctgagtc tcttaatgca  180
acatcttgag aactcatcat tgtttgaagg gtccttgta aagaacttgt ctctaaattc  240
tcaagctctg aaaganaatc ttactatga agctggcaaa atgcttgcca tttctttagt  300
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accagaaaat acccagccaa ttttagatga tgtttcagac tttgatgtgg cacagattat  420
aatcaggata aatactgcaa caactgtagc tgacttaaag tcaataataa atgaatgcta  480
taactacctt gagttaattg gatgtctcag acttataacg acattaagt ataaatatat  540
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cattttgtag catcctgtgt cataaanctg aaantctttc tgccaaaatc cttagtgagc  720
ttttttacag tacacacatt acctgatgtt aaaactttgg gggtttgaa canttacttt  780
cnggctgttg aaaaatggtn aatctncnc aacaatggga aaa                        823

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<210> 2781

<211> 650

<212> DNA

<213> Homo sapiens

<400> 2781

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ggccctgtta atgtcggggc caggccgggg gaggatggcg ccctagaacc cggccttgct 120
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 cccatttgat gttcagcctg tcccattaag aagaattttg gcacctgggtg aagaagagaa 540
 tttgggattt gaagaagatg aagaagaagg tgggtctgga gcagggtctc ctgattcttt 600
 tcctgctaaa ttccccgtac tttattacca angttncat ccgaaaccan 650

<210> 2782

<211> 627

<212> DNA

<213> Homo sapiens

<400> 2782

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 ctgagaggga cacgcagtga cgagcgccg aagcagcttt gcggtgagag cacgctgggc 180
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<210> 2783

<211> 648

<212> DNA

<213> Homo sapiens

<400> 2783

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ctgccctctt aaccttgac gactcctcgc acaagcaang gcaanaangt gattattcgg 600
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```

<210> 2784

<211> 462

<212> DNA

<213> Homo sapiens

<400> 2784

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cgggacgcgg ggactgggag caggctgcaa gctggtgggg ttggggagga acgagagccc 240
ggcagccgac tgtgccgagg gacccgggga cacctccttc gcccggccgg caccgggtca 300
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gcacgtcccc cttccctcc cgcagggagc ggacntggac tacgactcgt accatcacta 360
 tttnacgac tatgactgcg gggaggattt ctaccgctcc acggcgccca ncgaggacat 420
 ctggaacaaa ttcgagctgg tnccatgcc cccacgtct cc 462

<210> 2785

<211> 713

<212> DNA

<213> Homo sapiens

<400> 2785

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 aatgttgctc ggtattttgg aaagaaaaga gaagaagatg ggcacactca tcagtggaca 180
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 ctggggaaaa agacagtggc ttcagagttc tatgatgaaa tgatatttca agaccaaca 480
 gcaatgatgc aacaattatt gacaacatct cgtcagctaa cattaggagc ctataagcat 540
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 aaaaacaagc tttganattg cagaacttaa ggganagatt aaaaaccaan ttcgtgaaac 660
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<210> 2786

<211> 576

<212> DNA

<213> Homo sapiens

<400> 2786

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 taccctccgc acccgtttaag ttctccggtc gggcggcagt ctctgaacac ttagccgcgc 180
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 gtgatcgaaa agatggcctc cccaaaggac atcatgtnac agactctgag aacgatgagc 480
 ccttaaactct taatgctagt gactctgaaa gtgagganct tcacaggcaa aaggacancg 540
 actctgaatc tgaagaacnt gcanaacctc ctgcna 576

<210> 2787

<211> 591

<212> DNA

<213> Homo sapiens

<400> 2787

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 cagaagcaaa ggtagatgga gagactgcat cggacagtga gagccgggca gaatccgcac 180
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 tcttcatcat catttacctg ggaccaatgg ttttgatgat aatcgtgatg tgcgttcana 360
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 cctggttcag gacgctcanc tgggtactttc tcctgtgtgt aaactatttc ttctatgggtg 480
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<210> 2788

<211> 764

<212> DNA

<213> Homo sapiens

<400> 2788

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aaagatatatt cattgtgaaa gaagaaacta aactatcagg cctcttttac aaaatgagag 180
attgaattta agcttggtcaa gcacgtactg gaaggtatga attacactac catgtgtttt 240
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taaaaaatga ctgctgttgg gggccagggg acatcatggg gaagtggggc tgtccaattt 660
agctttgccc ctgcaccttc ngcccangaa aagatttgaa ccnaaaccaa ngcttccaaa 720
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<210> 2789

<211> 721

<212> DNA

<213> Homo sapiens

<400> 2789

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gactcgtggc ctttgggcta gaagccatgg acgccttcac ccgcttcacc aaccagaccc 180
agggccggga ccgactcttc agagccactc agtacacatg catgttgctt agatatttgt 240
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tagagcccaa agctggcaaa gagaaggtag taatgaagct caagaaactg gaggccagt 300
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 cagggcaaaag aaagagaatc agcatcccag atccttggtc acntgggtgag agaacaaatg 660
 gtccatcttc tctcttttcc attctaacac tctcctgtct gaccntgaaa cttgtnattc 720
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<210> 2790

<211> 619

<212> DNA

<213> Homo sapiens

<400> 2790

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 gctgccttct ctcttggaac atgctgcttc cacagggcag tgccagtgtc tccgtgtgaa 360
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 ttcaaaacca gcaaggccct gagcaaagct gctccttctt ctcatgggct gaactcatcg 480
 tgatgtcact ggctaagggg ggcancatgg ggtccagccc ggcccangca catggaactg 540
 cggctcctgtc angctgaatg tgggttttgc cttctaagat nggccccaaag gcaccanttc 600
 ccaaaaaagg tctgtcncc 619

<210> 2791

<211> 551

<212> DNA

<213> Homo sapiens

<400> 2791

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ttt gat gatg cccaacagga ggaccggaag agactggcgg agctgctggt ctccgtcctg   60
gaacaggggt tgcaccctc ccaccgtgtc atctggctgc agagtgtccg aatcctgtcc  120
cgggaccgca actgcctgga ccggttcacc agccgccaga gcctgcaggc actagcctgc  180
tatgctgaca tctctgtctc tgaggggtcc gtcccagagt ccgcagacat ggatgttgta  240
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gcagcagagg ccgcctagt ggtgaagctc acagagcgtg tggggctgta ccgtgagagg  360
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cgcaccgatg tgcgccagca gctgtttcag ganctgaaan gaatgcgcct gctaactgac  480
acactgganc tgacctgggg gtgactcctg aanggaaccc ccaccacgt ccttccttcc  540
caanaaactg a

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551

<210> 2792

<211> 697

<212> DNA

<213> Homo sapiens

<400> 2792

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atcgtgcgg ttgcgagcgc tgtaaggagc ctgtgctgtg ccgcgcagtt aggcagcagc   60
agccgCggga gcagtagccg ccgtgggagg gagccatgaa gcattacgag gtggagattc  120
tggacgcaaa gacaaggagg aagctgtgtt tcttgacaa ggtggagccc cacgccacca  180
ttgcggagat caagaacctc ttactaaga cccatccgca gtggtacccc gcccgccagt  240
ccctccgcct ggaccccaag ggcaagtccc tgaaggatga ggatgttctg cagaagctgc  300
ccgtgggcac cacggccaca ctgtacttcc gggacctggg ggcccagatc agctgggtga  360
cggctcttct aacagagtac gcggggcccc tttcatcta cctgctcttc tacttccgag  420

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tgcccttcat ctatggccgc aaatatgact ttacgtccag tcggcataca gtggtgcacc 480
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 accgcttctc ccatggcact atgcctttgc gcaacatctt caagaactgc acctactact 600
 ggggcttccc cgcgtggatg gcctattaca tcaatcacct ctctacactc cccctancta 660
 cggaactcaa cangttaaac tggcctcccn tctttgt 697

<210> 2793

<211> 747

<212> DNA

<213> Homo sapiens

<400> 2793

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 ttctgaatgc ttgtctagca aaacactgtg gtgtgcaaac ctagaaccca atagaaaaaa 120
 aagccattta tctgaaggct gcatagtggg gagagtcttc agtttacctc attctttgta 180
 gcancccttg attttaacag gtttttgtaa taggtacaga taatcccata cttttctagg 240
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 gaaggtaaga tcatgtcaaa ccttataatt tggggaatct gacactatgt aaattattgg 360
 caactgttgt ctgttgtaca naaattcttt ttctactggc tcagtctgtt acattaataa 420
 tgcattttat atgttcaggc acactttaca taaatacaaa gttcgctagt aaatatctgg 480
 ctattttggc tattttacaac actaatttca ttatttttat ctgtaagcat tattaataca 540
 tctttaccaa aacctgagca atacnatatt tncitttatat gttatatgcc ctgttttgct 600
 aaaancta atttttgcat ttactttaaa ggggctgttc taaaccccca gctttaattc 660
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<210> 2794

<211> 645

<212> DNA

<213> Homo sapiens

<400> 2794

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gcggtgccgg gggcggggcg cggcggctgt canctgactg tggcggcggc ggcctcgaag 60
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gtcgggtcgg cgagccacgg gggccgccgc agcaccatgg cgaccaccgt cagctggacg 180
cccaggcggc ccagcagctg cagtacggan gcgcantggg caccgtgggc cgactgaaca 240
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gccgactgcg cctgggctac gcggtgtacg aaacgcccac ggcacacaat ggcgccaana 360
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tcgagatctt cnatgaaana accttctcca tggacgaccg cattgcctgg acccacatca 480
ccatcccga ntcctgaagc agggcaagg ggaagacaaa tggtagacct gancgggaag 540
gcagggggac aacaagggaag gcatgatcaa cctcgtcatt tctacncgt gcttccanct 600
gccatggtna tgccacccan cccgtggtcc tgatgccaac aatnt 645

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<210> 2795

<211> 760

<212> DNA

<213> Homo sapiens

<400> 2795

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naaggaactt taaattctta tatttacttt tctctcagta aattgttaaa ttttactca 60
gcaaaagatt ggcatttggt aagtgttcta tatttagtac taaaatcaca gtcatgaaat 120
catagtcata aaatggctct cacacagcag tcatccgtgt catttatcat ttgtaatat 180
taaattatgg caattttatt tcaaactaaa gtttgaacac cggaaagtca ttactcagt 240
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aatactgcgc tgccatcatg gtgactgtca tggttctaca gaaatgccct ccatgtgtcc 360
ctctaagtgt gcatgtttca gtgggttgga agttttgtat atttattgta ttaacacaga 420
gtgtcataaa ataaaatgct gtttactgga tgtttggttg tataattttg aacactataa 480

```

tagcaattca gagacagaca ttgttaaagg tttgatgtat atanaaattc catgtttgat 540
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 taaaaattct aaccaatggt aaaatgacca ttttncgtgt gcattaaaac ctttacaggt 660
 taatggaaca tgaacttcnc cccatattaa atattttggg ccctttaagg tcnaaataca 720
 natctcctaa aanttanatt ccaaattggaa aaacctattc 760

<210> 2796

<211> 577

<212> DNA

<213> Homo sapiens

<400> 2796

tgggggtcac gtccaggtga tggacccgga gcccgtcccc ccaatccctc accccccaca 60
 cctcagccac tggagactga tgatccaacc acaggatccc tactctttgg ccacgagatc 120
 ccagtaccca gatcctggat cctagactcc tatgccccaa ccattgggtc atgggatccc 180
 agcaccacaga tcctggatcc tagactccta tgccccaacc actgggtcat gcgatcccca 240
 cccttcagcc actagatccc agatccccct gtaaccataa ctgtggatcc cttacttcag 300
 caactcaagt ctgctaccct aaccacaaga ttcaagatta tccacacccc agcccttaat 360
 ccccatcccc caaatcactg gatcctgcag ccccatatcc taaggtggat cccacgcttc 420
 cctgtgcccc ctactggatc ctggacctct acgtcttaac cactggatcc cacacaaatc 480
 antgaatgga tcccaacacc ccaaccacag gagcacggat tccctgtnc tcaacaccca 540
 naccctgcct ccctcangca ccanatccag tgtccta 577

<210> 2797

<211> 737

<212> DNA

<213> Homo sapiens

<400> 2797

naatggcatt gaaacgaatg ggaattgtaa gcgactatga gaaaatccgt acctttgccg 60
 tagcaatagt aggtgttggt ggagtaggta gtgtgactgc tgaaatgctg acaagatgtg 120
 gcattggtaa gttgctactc tttgattatg acaaggtgga actagccaat atgaatagac 180
 ttttcttcca acctcatcaa gcaggattaa gtaaagtcca agcagcagaa catactctga 240
 ggaacattaa tcctgatgtt ctttttgaag tacacaacta taatataacc acagtggaaa 300
 actttcaaca tttcatggat agaataagta atgggtgggtt agaagaagga aaacctgttg 360
 atctagtctt tagctgtgtg gacaattttg aagctcgaat gacaataaat acagcttgta 420
 atgaacttgg acaaacatgg atggaatctg gggtcagtga aaatgcagtt tcagggcata 480
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 tgcaaataatt gatgaaaaga cctgaaacga naagggtgtt gtgcagccag tcttcctacc 600
 actatgggtg tggttgctgg gatcttaata caaaacgtgt taaagtttct gttaaatttt 660
 ggtactgtta ntttttacct tggataccat nccatgccg aattttttcc cactatntcc 720
 atnaaaccca atccncc 737

<210> 2798

<211> 492

<212> DNA

<213> Homo sapiens

<400> 2798

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 catggtctat agtatagtgt gatatgacta ctgttccaat gtattgaagt gttgggtag 180
 tttttcaaa tgttttcaga tgttcttggt ttagaatcat tgtcaccttt aagaggaaaa 240
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 ctagtttcaa attacattgc agtataatga aaaagatcca tatactgtgg aatgatattc 360
 ttttaaatt atttgctatg gcttggtaaa aatgtacttt ttccagtagc acatatacaca 420
 agaacctcac tgtanttgaa agccatcint cntagtagt tgtttatccn ttaggagag 480
 tcnagcaaag gt 492

<210> 2799

<211> 816

<212> DNA

<213> Homo sapiens

<400> 2799

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cagccacct cttgcatcgt cacctacagg tatctaagca atggatccaa gccctggagg   60
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tcctcgatgc caatcactgt cctggttctg tcatgtttct ctttgaagga tattttggaa  180
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cactggggaa acagatccat actttatacc tagacaacac caattgcaat ccagccctgg  300
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aacataacat aaagattgga ctctacagcc tgggaaagga atcactgctg gagcagctgg  420
ccctggagtt tcagacctgg gtggtattga gtcctcggcg cctggagttg gtacagctac  480
tgggcctggc agatgtgttc acagtggang agaagctggc cgcatccatg cagtanacca  540
tatggagacc tgccattcca acatgctgcg ttggaaccan accacccta cgattgctat  600
ccttcccaca aagccgaaaa atccacagct cccaccctga tatccacgtc atcccttact  660
ctgaacattc ctcttactcc gaacttcctg cctttgtccc aacactgaaa ccttgccaag  720
ttggttgccc attgttaatt ccgccgncc ctgttggaag ggtttccang ganagttctg  780
aaacccang gattctccng tgccccctga aattcc                               816

```

<210> 2800

<211> 616

<212> DNA

<213> Homo sapiens

<400> 2800

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gagatcagaa caatggccta gggtcaggcc cagccccagg cccagtggta ttactgaatt   60

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cactgaatgt ggatgcagta tgtgagaagc tgaacaaaat agaagggtg gaccagagta 120
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 agtgaacat tgatgagctg aagaaagaga tgaatatgaa ttttgagac tggcaccttt 240
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 gtttcctcag tgagagcagc agtggcccag ccccgacgg tgagcctgct cgccgcgctt 360
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 gcttcgaaga nctgaacacg cttggcctgg atgaangtgc cctcgtcac agtaatctaa 480
 gttggcagtc acaaactcgc agaaccctaa gtcttctgag tctcaattcc caggattcca 540
 gtattgaaat ttcaaanctt actgataagg tgcaggccga gtatananat gcctatanag 600
 aatacattgc tccnat 616

<210> 2801

<211> 620

<212> DNA

<213> Homo sapiens

<400> 2801

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 ggccgcggcg gctgctttcg aaaagcgccg gcaactccgcg attctgatcc ggcctttagt 120
 ctctgttagc ggctcaggtc cgcagtggag gccacatcaa ctcggcgcct tgggaaccgc 180
 tcgagcctac cagcagattc cagantcatt aaaaagtatc acatggcaga aattgggaaa 240
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 agacaggcca gatctacgan ctaganttgc catttcgctg ggatttttgg gtggtgcaaa 480
 ngccatgaat attgtggttc cttcatgtt taaatatgct gtanacagcc tcaaccanat 540
 gtcnggaaac atgctgaacc tgagtgatgc cccaataca ttgcaaccat ggcaacanca 600
 nttctgattg gctatggtgt 620

<210> 2802

<211> 604

<212> DNA

<213> Homo sapiens

<400> 2802

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aagatggcgg accttgattc gcctccgaag ctgtcagggg tgcagcagcc gtctgagggg 60
gtgggaggtg gccgctgctc cgaaatctcc gctgagctca ttcgctccct gacagagctg 120
caggagctgg aggctgtata cgaacggctc tgcggcgagg agaaagtggg ggagagagag 180
ctggatgctc ttttggaaca gcaaaacacc attgaaagta agatgggtcac tctccaccga 240
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tttacctgca acctggctga naatgtgtcc agcaaagttc gtcagcttga cctggccaag 360
aaccgcctct atcangccat tcagagagct gatgacatct tggacctgaa nttctgcatg 420
gatggagttc agactgcttt gangaatgaa gattatgagc aggctgcanc acatattcat 480
ccgctacttg tgcctggaca agtcgggtcat tgaactcagc cgacagggcc aaggggggan 540
catgattgat gccnacctga aattgctgcn ggaagctgan caacgtctca aanccattgt 600
ggca 604

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<210> 2803

<211> 653

<212> DNA

<213> Homo sapiens

<400> 2803

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ctccgagcag gacactgcta cttacaagg tggtttgagc caaactgtgg cacgtttcag 60
gcaggattcc tccttcattc aaactgcac acccaggant ctgcaaattc cccaaagtag 120
gaggaaaaat gaccacattc aaggaggcag tgaccttcaa ggatgtggct gtggtcttca 180
ctgagganga gctggggctg ctggaccctg cccagaggaa gctgtaccga gatgtgatgc 240
tggagaactt caggaacctg ctctcagtgg ggcatcaacc gttccaccaa gatacttgcc 300

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acttcctaag ggaagaaaag ttttgatga tggggacagc aacccaaaga gaagggaatt 360
 caggaggcaa gatccaaact gagttggagt ctgttccaga agcaggagca catgaagagt 420
 ggtcctgcc a gcaaatctgg gaacaaattg caaaagactt aaccaggtct caggactcta 480
 tcataaataa ctctcanttc tttgaaaatg gtgatgtccc ctcccagggt gaagcaggac 540
 taccacaaat tcatacaggg acanaaacct tcccaggggt ggggaagtgt aaacagtcct 600
 tcantaatgt tcccatcttt gatcttctc ancagttnta ctcanaaaaa aaa 653

<210> 2804

<211> 761

<212> DNA

<213> Homo sapiens

<400> 2804

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 aagtacatag agctctttat agtaaaggta ttctattgat ggcagcctca gaaaatgagg 180
 ataatgatat tttatgggtgt gtcaaccatg atacttttcc tttccaaaag ccaatgatgg 240
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 cctgggctac tcgggctttc ttttaagtat gtggtgaagc acagatgana tttccaacca 660
 ctcttccgcc tccaanttat gttggtccca tcttgggggt ccctgtctaa tccnagttcc 720
 cccgttccca atggtantcc caacccaaat cennctttt t 761

<210> 2805

<211> 667

<212> DNA

<213> Homo sapiens

<400> 2805

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gggtcggcct ccagcccctg tgcccgggat ccgctcgccg cggatgancg agagtttctt  180
cctgggactt ttcgggcaca gctggccggt ggcgacataa cggactttct ttcctgcaag  240
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ctatitttaa atatccagat tccaagaaca cactggatac tgctcttaca aaaccaagan  360
gaaatcatga agaaatgttt tagttattga aactacagtt gaaatcatgg atacatcaac  420
aaatctggat attggagccc ancttatcgt ggaagaatgt cccagcactt atagcctaac  480
tggcatgcca gacattaaaa tagaacatcc actggacca aattcanaan aanggtcagc  540
tcanggtgtt gccatgggaa tgaaattcat attgcctaac cgatttgata tgaatgtgtg  600
ttctcnattt gttgaaatcc ttaaataaan aaaatantaa aaatattcna gatcaggtta  660
actctna                                     667

```

<210> 2806

<211> 617

<212> DNA

<213> Homo sapiens

<400> 2806

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ttgggcccac agagggtgtcc acagcttgtg ccaccgccgt gctgggcaat cagcttgga  120
ctgcagttgg ctttttgcta ccaccagttt tagtaccacaa cacacagaat gacacaaatc  180
tcctggcttg taatatcagc accatgtttt atggaacatc agctgttgcc acacttttat  240
ttattttaac agcaattgcc ttcaaagaaa aacctcggtg tccaccaagt cnggctcaag  300
cagctcttca agacagtcct cctnaanagt actcctataa gaaatcaata agaaacctgt  360

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ttaaaaacat tccttttgtc cttctgttga tcacttatgg tatcatgact ggtgcctttt 420
 attcantctc aacgttttta aatcaaataa tattgacata ttatgaggga gaanaaatct 480
 atgctggaan gattgggcta acgctagtat tancgtgaat ggtgggcncct attccttgtg 540
 gcttatggct ggattatact aaaacataca aacagactac tctnatagtt tatattttgt 600
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<210> 2807

<211> 670

<212> DNA

<213> Homo sapiens

<400> 2807

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 gtaagtgcgg tagtttaatt tcctaaaaaa agttgctagt gccttggtta agatgatcat 480
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 tttaaagaaa attatctcct atgtctcttt gaactcagga atagaaaatg accaagaagc 600
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 catatgctca 670

<210> 2808

<211> 772

<212> DNA

<213> Homo sapiens

<400> 2808

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acagaagctt ttgactatct gtcctttctg ccccttcaga ctgtncaaag gctgcttaan 480
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ctcaatgtca gtcaggttca tggttgatnt tcacagccat tacaattctg tcccnatgaa 720
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<210> 2809

<211> 638

<212> DNA

<213> Homo sapiens

<400> 2809

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tgcatttcaa agaatactg accctggagg atgtggctgt ggagttcact tgggangagt 420

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ggcagctcct cggccctgct cagaaagacc tgtaccgaga cgtgatgttg gagaactata 480
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 aaggagacca tggacagtan aaaatgaaat ccacagccaa atctgtccag aaatcaanaa 600
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<210> 2810

<211> 646

<212> DNA

<213> Homo sapiens

<400> 2810

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 tggagggcag tatggtagtg ggctaccccc tgggtggtgt tatgggggtc ctgcccctgg 180
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 tcccaatgtg gatcctgagg cctactcctg gttccagtcg gtggactcag atcacagtgg 420
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 tgatgagacc tgcctcatga tgataaacat gtttgacaag accaagtcag gccgcacga 540
 tgtctacggc ttctcagccc tgtggaaatt catccagcag tggaanaacc tcttccanca 600
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<210> 2811

<211> 422

<212> DNA

<213> Homo sapiens

<400> 2811

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 gaagcacaag gaaaaattga tgtinctcaa nctgaagtag ctgcattgaa gacacttgta 360
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 aa 422

<210> 2812

<211> 517

<212> DNA

<213> Homo sapiens

<400> 2812

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 tgcccacgtg gcgccccact tccatgtctc aactgaaaaa tgtggaagcc aggatcctcc 180
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<210> 2813

<211> 567

<212> DNA

<213> Homo sapiens

<400> 2813

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cgtccgcacc gatgcctacc gcctgggtat ccttcggaac tgggcagcac tgcgaggcaa   180
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gttgccggaa caggtggatg ccatcgtgag cgagtggatg ggctacggac tcctgcacga   420
gtccatgctg agctccgtcc tccacgcgcg aaccaagtgg ctgaaggagg gcggtcttct   480
cctgccggcc tccgccganc tcttcatan ccccatcagc gaccanatgc tggaatggcg   540
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<210> 2814

<211> 729

<212> DNA

<213> Homo sapiens

<400> 2814

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aaaagacgcc gggcgcgggcg gcgcgcggag aagtgcggcg gagcggcgcc tgcattagca    60
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ttctcctctg ggtgaaagca gaacccttta tagtgggtgc cttgcaggtc cccctccat   180
ccaagtttag tcttactat ctcaggaaga tatccaccta tgtgcaaate cgggccacag   240
aaggagctta cccgcgcctc tactggtcta catggaggca catcgcttgt gggaagctgc   300
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ttcaacagtt gaacaaggtc tccctaanga catctttgat tggcgaaaan tggcccagtc   540
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ggaatgatta cagtcctccaa acttttgtct atgaatcatc tgtctgatct cctccaancc 660
cctgctttta aatccaaaac aactcnccttg cntcatttca ttcaacccat antantctaa 720
ttgtctcca 729

<210> 2815

<211> 667

<212> DNA

<213> Homo sapiens

<400> 2815

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accgtgtcgg aggccgagag cgatgagagt acagggaagt gaggaagagg ggggtggccgc 180
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cccctcn 667

<210> 2816

<211> 796

<212> DNA

<213> Homo sapiens

<400> 2816

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 gagcctaaaa ggccacctct gancacttgg gcagccactc ctctgggcct cagagggcca 180
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 atttctcga atgttgaaaa agaaaaagg gaaatcccaa aacnantcc nttttgccct 780
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<210> 2817

<211> 546

<212> DNA

<213> Homo sapiens

<400> 2817

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 ggtgccccag ggccagcgac caccgcctcg tatcaagaat ttccagataa acaaccagat 180
 tgtgaaactg aaatactgtt acacatgcaa natcttccgg cctccccggg cctccatttg 240
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 aatctatgtc ttgccttca acatcgtcta tgtggccctc aaatctttga aaattggctt 420
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cactctgggc cgtcgtggga ctgactggat ttcatacttt cctcntggct ctcaaccana 540
caaccn 546

<210> 2818

<211> 488

<212> DNA

<213> Homo sapiens

<400> 2818

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agtcgccagc ccgccccctc gccgcgggct aggtctcacc tcgccaccag tacgtcttgg 180
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cgttcgtcag gtaacacagg atggcccggg anctttcctc gcttgacatc ncggacgcgg 480
ctccctna 488

<210> 2819

<211> 639

<212> DNA

<213> Homo sapiens

<400> 2819

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cagagctgan aaaacagaag tccttagtga agatctatta cagattgaga gacgcctgga 180
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<210> 2820

<211> 633

<212> DNA

<213> Homo sapiens

<400> 2820

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<210> 2821

<211> 457

<212> DNA

<213> Homo sapiens

<400> 2821

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ctttcacaac aacatcatcg tattgattgt ccctctcatg aatgacatgt cnaaattgat  180
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gccaggagat gttaaaaaca tttttatgcc tgagaatcna ggaagtagaa gtgaaaaaag  360
atacagaaga cattgataga ccagnaaaat ttatgacttt caaagaaaag agaaaatctc  420
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<210> 2822

<211> 689

<212> DNA

<213> Homo sapiens

<400> 2822

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catccagaaa atctctaaan antangggc

689

<210> 2823

<211> 672

<212> DNA

<213> Homo sapiens

<400> 2823

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<210> 2824

<211> 681

<212> DNA

<213> Homo sapiens

<400> 2824

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aaatcatgag aaaaatacta ggaaatttaa gttttagtaa aactctgtca agttaacttt 180
 gaattttata tcaagaagaa actattgaga aaaaaacctc atgcttttac acaatagtat 240
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 aatagcatct gttagccagc cacggtggct catgcctgta atcccancac gtggggaggc 480
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 ancaactcag ggaggcccta cctcccacct cagtaggana aatgggtgntg aacccccggg 660
 aggcggganc ttggcantgg a 681

<210> 2825

<211> 406

<212> DNA

<213> Homo sapiens

<400> 2825

aatgcggaaa aaaaaaaaaa aaaaaaggaa aatccttagc aggttctagc atgcaanagt 60
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 cactgaggat ttagtaaatg tgggtgtaagt atgggtcatg ctctttgttt tgtttggcgt 180
 aacagcttta ttgagctata caacttacc atttaaaactg tacagttcag taggcttttag 240
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 ctgttgggag catcaggaan agcttcccag gaggtcacat taagtggatg ttggcagaca 360
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<210> 2826

<211> 611

<212> DNA

<213> Homo sapiens

<400> 2826

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<210> 2827

<211> 598

<212> DNA

<213> Homo sapiens

<400> 2827

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gggagccttt gtgtcctccg ttactgtgta atcaggacaa agaaaccttg actctgctca 480
ttcaggtgcc tcggatccag ccgcaaagtc ttcaaggaga tttgaatccc ctctggttac 540

aaattacgct tctccgcaca aanacttant ttattccttc tttttgcaat ttgctccn 598

<210> 2828

<211> 724

<212> DNA

<213> Homo sapiens

<400> 2828

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 gtccattggc caataaacta gatcaaaagc tacttcatgg aaagctgttt tttccttgat 180
 acctatatct ttctgtaaag gactgctcag ctggcataag ctttctactt ttaacctgtc 240
 ttttctcttg tccagattgt gattcagtgt caaagtgggg cagtcattcg taagtgtga 300
 gcattgtgga gcaggagggg aaaggggcct gttctctcaa ggaccttcac tatccattca 360
 tttcctaccc ccagactctt gttagattgg gctgatccaa actcataata tgaatagatg 420
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 atttaccaa cctgagggtca aaaagtctc atgagatctg gtcgtttgaa ancatgtacc 540
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 ctcttcacc ttctgccatg attgtaaatt tctgaagcc tccccancca tgcctccttg 660
 tacaganact gtggaactga agcccctana acctggaaaa acatgtncat ttactttttt 720
 ngcc 724

<210> 2829

<211> 486

<212> DNA

<213> Homo sapiens

<400> 2829

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 caagtcaaag cctgcatttc atacaggcaa tgtagggta ncccccaagc catgattcgg 180
 aaagataaat tgacccana aggaataggg ctgggtccct tctcccttga cagctccctt 240
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 ctgaaattcc aaaaatataa atgtggaaag actggaaggg gtcgangaat ctctttgcct 420
 gccttactct ggccccanct ctcctttccc ttgcatgtt tgaccatctg ggtnatnaag 480
 aaggtg 486

<210> 2830

<211> 267

<212> DNA

<213> Homo sapiens

<400> 2830

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 cgggtgccctg ggggtctcccg aagaccttgt ncccgcgcggt tttccttggg ctggctttgg 180
 acgacncttt ccccttctg ctgcctaaga tccgccgaca ttaatccent cctagtggtc 240
 cacggcggcg gaaccgggtcc cntctcc 267

<210> 2831

<211> 385

<212> DNA

<213> Homo sapiens

<400> 2831

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ctacactata tttaacagct gcggcggaag aggcaggga gcagccacgg tggcggctct 180
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 gcggtgagcg aagtcacat gccagcttcc caaaaccggg cccgtgcccg ggaccgcaac 300
 aacgtcctca accgggctga attcctgtcc ctgaaccncc cccccaaggg gggcccngaa 360
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<210> 2832

<211> 484

<212> DNA

<213> Homo sapiens

<400> 2832

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 tcggaaatgt gtggacacct acaagtacct ttcatcttc tctgtggcca acatgaggaa 180
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 ccangtcagc aaaagggtga ggggtgaggt gggctctcctg ttcaccaacc gcacaaagga 360
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 ancc 484

<210> 2833

<211> 540

<212> DNA

<213> Homo sapiens

<400> 2833

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 cttttgttga ctcccgtgtg gccctcgtgg gagcctgttt tggctgcagc ggtgtctggg 180
 gtgatgtgga ccccggagct ggcaattctg aggggattcc ccactgaggc tgagcggcag 240
 caatggaaac aggagggggt cntcngttca ganagtggat ctttcctaca attgctgctg 300
 gaagggaact atgaagccat attcttaaatt tcaatgactc aaaatatttt taattcaaca 360
 acaaccgctn aagaaaagat tgatagctac ctggagaagc aggtagtaac attcctggat 420
 tactcaacag atttgacac aacggaaaga caacagttga ttttctact tgggtgtgagc 480
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<210> 2834

<211> 546

<212> DNA

<213> Homo sapiens

<400> 2834

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 ccaatcttcc tgttggaaac aaagaagtca ttctgcccac caaggtgggt ggagggccaa 180
 cagttcacat ctgtctccaa gccaagggtga ccattccaac catgactctc tctcgtggaa 240
 aagtggactt tgccacaatt cagtgtggac agtgcctggt ggaaactatt cagctttcca 300
 atcatctcca agtcccttgt gaatggttcg tccagagcca aaagcctggt gacaagctgg 360
 agaaacacat gccgaagtac ttaagacaga aactacgcgc tgaattaaag ccaaagacac 420
 ggatcttcga aatccanccc atttctggag tcttgatcc tggtagagaa tccnacgtgc 480
 aagtnaaatt catgccaaaa naaaaaaat tctacagccc aaccctggtg tttcanattg 540
 cccana 546

<210> 2835

<211> 458

<212> DNA

<213> Homo sapiens

<400> 2835

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gcgc atgcnc gcgccgggc ggcgcgggat ctgggtctgg ggatgtggta ccggctgctg   60
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ccaggangcg gcaggacggc caanaccagc gcgagggccc tgggcaaggc ccgacagtgg   180
ttatggccag tgagaatgtg cgggtgttgca ttgcagaaga agctaggaaa gctcatctgg   240
cctcctgttc cagtgttcc aggggatcca cggtcagaag ctgactctgc aggcaagacc   300
gacgttattt tcctgggtggc tgtgttcaaa accacccaaa gggtttgaga aatactttaa   360
gangagtgga aggaacacaa actgagaaac atcnacagca ccaaaaaaag agactgggtga   420
actaganaat gctgantctg gaaganacgg aggccgga                               458

```

<210> 2836

<211> 634

<212> DNA

<213> Homo sapiens

<400> 2836

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ggataaaanc ctaagagttt gggaatggga tatccctgtg gatttcaagt acatagcaga   60
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ccaatcaatg gacaaccaa tcttaatttt tggagcacag aacagattta gattaaataa   180
gaaaaaaatt tttaagggcc atatggtagc aggctatgct tgtcagggtg acttttcacc   240
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gaccacaaaa ctctacagtc gatttaaagc tcatgataaa gtgtgtatag gtgcagtgtg   360
gcacccatcat gaaacttcta aggtcataac atgtggttgg gatgggtctca ttaaattgtg   420
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tatttaatta ttaaattgtat ctgatgataa ctigatttac agataatgtt gatgacattg   540
accctttgtt taaaaaaaga aactgtaaat ttgacataat ttcatttgca acttcatttt   600
gttttttata aatgttattt atacagaaag ttg                                     634

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<210> 2837

<211> 644

<212> DNA

<213> Homo sapiens

<400> 2837

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ggaggaggcc gcagcagtcg ccgcgcgaac atggcggccg aaatccactc caggccgcag   60
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ctgctcatcc ccaaggagga cggcgtgata acggccagcg aggacagaac catccgggta   180
tggctgaaaa gagacagtgg tcaatactgg ccagcattt accacacaat ggcctctcct   240
tgctctgcta tggcttacca tcatgacagc agacggatat ttgtgggcca ngataatgga   300
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agtaccggcc acgacaagtg tgtgagctgg atntgcacnc ggagcgggaa catgctcggg   480
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ttcgttggtg attattctgg gcngatcacc ctgcttgaaa cttgaacaga aaacgtgttc   600
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<210> 2838

<211> 539

<212> DNA

<213> Homo sapiens

<400> 2838

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gctttcccag ctagtcgaat cactggtgca cctccggaat ccgaggttcg cattgctctc   60
ggacagagtt ctgcctcccc agtactccca aactcccagt cctgtgcacc aatgaggtcc   120
agctctgagg cttctttcct ganaaaaaaa tttggaagtc cgtgactgtt tcctggagga   180
gctganaana ggaagctcac ttccggcgta gggaggcttt ctgacccgga atggaggagg   240

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cggagganct gctcttggag gggaagaagg cgctgcaact cgcccgcgag ccgcgcctgg 300
gcctggactt angatggaac ccttccggag aaggctgtac gcagggcctc aaanacgtcc 360
cacccgagcc gacccgagac atcctcgctt taaagancct tccccggggc ttggcccttg 420
gcccctcact cgccaaggaa cancgcttgg gggctctggtg tgtcggggac cccctgcagc 480
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<210> 2839

<211> 764

<212> DNA

<213> Homo sapiens

<400> 2839

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tcgggcgaan agcggccttag ggcctcaccg cgacctggct gagcttcagt cattgtctat 120
tcctggaact taccaagana agatcaccca cctgggacat tctctgatga gtttaacagg 180
tctgaaatct ttggatctct cgcgcaactc cttggttagt ctggagggca ttcagtacct 240
gactgcattg gagagtctca atctctacta caactgcac tctcgttgg cgaagtgttt 300
cggctccacg ccttaaccga gctcgtggat gtggacttcc ggctgaaccc cgtggtgaag 360
gttgagcctg actaccgcct ttttgttgtg cacctgctcc ccaagctcca gcagctggac 420
gatcgccccg tgagagcaag cgagcggaag gcttccccgac tgcattttgc atcagaggac 480
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aganccaagt gcaccgaagc cttggccaag caaaacctgg tcatggatgc ggatgacgaa 600
gcagtcctga acctcattgg cagaatgcga atgggggaact cggcaggnc tccgggaaca 660
cgaacttcac cagaaagggn gtnaggccca atctcgttgg ttcccaaaaa tccaaacttc 720
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<210> 2840

<211> 572

<212> DNA

<213> Homo sapiens

<400> 2840

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ttgggctttt gctttctggc ggagggatct gcggcggttt aggaggcggc gctgacctg 180
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ggccgccgcc gggtgatgcg gtgaccgctg cggcaggccc aggancgtag tgggccccgg 300
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gatcgccgag gcggcctcag gctccctagc ccttccccg tcccttcccc gccccgtcc 420
ccgccccggg ggccgccgcc acccgctcc caccatggct ctgaagaaaa tccacaanga 480
attgaatgat ctggcacggg accctccanc acagtgttca ncangtcctg ttggaaatga 540
tatgttccat tggcnactac aataatgggg cc 572

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<210> 2841

<211> 592

<212> DNA

<213> Homo sapiens

<400> 2841

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ggttaatgtt gctatcttaa gcactggcat ttgggcaaaa cgtgactgtg ttctgtggga 60
naatccaaag gcattattca ctctagtga aatagaattg ggtggctaaa cagggtgtgt 120
ggtacccaaa anattaaatg ttacatgtcc ttttagtcct tgaccaggtc tagccttggc 180
agaagcaagg gagccactaa gccaaactcc ctgtgcanac agaccatgtt tcaaggctgg 240
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ttttccctct gaagcagctt ttgcttagaa aacagtcctt tcactctgcc tttcctccta 480
acttcctgtg cctcttcatg ttctgtcan gctttttaaa gcaacgaagc tgttgganaa 540

```


cttaaactcct tgcaactgaa aaataagcta cttnaaggcg gtagaaatcn nt 592

<210> 2842

<211> 774

<212> DNA

<213> Homo sapiens

<400> 2842

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 ttgcttctca gtaccaatat gaagtgggta cagttttcaa acctacacgt tgatgttcca 180
 aaggatttga ccaaacctgt ggcaacaatc tctgatgaac cagacatatt atataagcgc 240
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 gagcgattta ctcttctcca atcagtgcac atttacaaga agcacagagt tcagtatgaa 420
 atgagaacac tttacagatg tttagagtta gaacatctaa ctggaagcac agcagatgtc 480
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 caattagaac agttaccaga acacatcaag ggancnacc tgggaaacac tatkngaaga 600
 aaaagaagaa agccngtcct aaagcctcag ggaagccatt ttgcctaaa ttgaaatga 660
 aggtgggcca aataaattat gtttaantgg aaaatgcttc ccactnaaaa taattganc 720
 tgtcctaact gcctcccttg aattccctt gccncatcc actnaaaggc aggg 774

<210> 2843

<211> 565

<212> DNA

<213> Homo sapiens

<400> 2843

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gtacttttca tggatgcatgg aaggaaagcc aatgcgcagg tgtaccaaca ttcgaccagg 180
agagactgga atggatgtaa caagccgctg cacccttgga gacccaaca aactgccaga 240
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cgccaagaag atatatgccc atcgagtcac tttgtcagcc ttagtccctt acttccgagc 420
tatgtttaca ggagaattgg cagagagccg tcagacagaa gtagtgatcc gagacattga 480
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aggcaatggt canactcttc tgcca 565

<210> 2844

<211> 704

<212> DNA

<213> Homo sapiens

<400> 2844

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tatgaaantc ccaanaactt ttcccatatt gagtgactga acatgcctcc ttctctaat 600
gttaaaatat attttttgta aattgtgcca gaanggcatt tgccaaaaaa atttgtgcag 660
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<210> 2845

<211> 505

<212> DNA

<213> Homo sapiens

<400> 2845

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ctgaacttca tacgctacct ctccatttc cgctgcgtgc acagaggggc tgattttgcc  180
aagatgagga ccaccacagt acgcaggctg ctgccagagt cctggggcctt cctttgtccc  240
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actcccatg atggagctcc ccaccgatca tacagtgagt gctaccctgt cctgctggac  420
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<210> 2846

<211> 637

<212> DNA

<213> Homo sapiens

<400> 2846

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gatttttgat gtttttactc aggtgattgg cttgtatagc tgaaatgctg atgaaaagga  180
gttttccctt ctcccttttt cttttctttt ctttntttt ttttttttga natggagtct  240
cgcaactgtt caggggctgg tgtgcagtgg cacagtctcg gtcactgca acctccgcct  300
ctcgggttca agtgatgctc ctgcctcagc ctctgaata gctaggatta caggtgcccc  360
ccaccacgcc cagctnattt tttgtatttt tagtaaagat ggggtttcac tatgttgggc  420
    
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agtcctggtct tgaactcctg acctggtgat cctcctgcct cagcctccca aagtgcctggg 480
 attataggcg tgagccactg cgcccagcct gtcccttttt cttaaatgac ctttttggtg 540
 aggaccatta tnggtttgta ccaggataag gttgtaaagt tnatcataat atnctcttat 600
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<210> 2847

<211> 801

<212> DNA

<213> Homo sapiens

<400> 2847

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 aacataggga ttcaaaaaaa caaaaacaaa agaataggaa taaataaccc ttaattgtat 180
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 aaaaaagaca ttaataaaaa atctgaaagg ggcngggcgc catnggctca cgcctgttat 720
 cccaacatt ttnggggaag cccaaggtgg ggcggatcat cctaaggcca ggaattccaa 780
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<210> 2848

<211> 506

<212> DNA

<213> Homo sapiens

<400> 2848

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caagagcaga gctttcaatg gaaattttta acnagtggna tcnagaccct gaagcatttc 180
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aatcnaagca atggctacca ngaggtagaa gtggcctagt caaggcnaat gtggacaagt 300
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ctggaaggcc caagaacatt tttttttttt ttttgaaatg gagtctcgct ctgtcgccag 420
gctgggagtg nngtggccna tctcagctag cttgcgnagc tctgcctccc aggttcacgc 480
cattcnctg cctcagcctt ccgagt 506

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<210> 2849

<211> 590

<212> DNA

<213> Homo sapiens

<400> 2849

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gcagaccacg ttagaacctc ggctcctgga gtagcanaac ctcggcttca atgggaccct 60
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ccagatttgg acatgtatat cttattccag gcttcccaga tgaccaccaa ggttggaaggg 240
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gactccaggt tcagccttcc cggatggtaa tgttgcatte tgaanagcta ctttcccgcc 360
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ctgacttccg acagtanatg acccttctga ctcacagttc tactgctggg aaatgcctcc 480
agagctgctg cccaccctct ctgcatcctt ccaggtcact ggggtgttgaa tcangngaag 540
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<210> 2850

<211> 760

<212> DNA

<213> Homo sapiens

<400> 2850

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agtatgagat gtacaccatc gagcggaatg cagagcggac cgccaccgcc gggaggctgc   240
tgtacgacat gtttgtgaat ttccanacc agccggtggt gtggagagaa atcagcatta   300
ttacatcagc attaaggaac gattacagga caaacaacc cnatttttaa gaagtttatt   360
tgaaactctt cctggtcgag tccagtgtga aatgttacta aaggtcacgg aacaatgctt   420
caacacgtta gaaacgatca gaaatgttgc ttctactttt gaggcgcttc cctnaaacgg   480
tggtgcancn tggggttggc cttggggang cactattana agctgaaact attgaagaac   540
aagaatctcc agtgaactgc ttagaaaaat tatttgtttg tgatgtcctt cctctnataa   600
ttaacaacca tgattttcga ttacctgcn atttattgta taaagttctt gaacaaagca   660
gcctgaattt tatatcaatt attgtcctag gtctactcca attagaaaat cncntccag   720
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<210> 2851

<211> 860

<212> DNA

<213> Homo sapiens

<400> 2851

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ctctctctct ctctcctgct gcattgtgaa gaaactgctt gcttccctct caccctctgc   60
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atcagaagat tctatgggga aaccatttta aaaataggat gcattttttt cttttctgca 180
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 cacgattttg agaacaactg aggactcttg tgaccaggac aacagggaag cttgcagcaa 300
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 aagcaatcac tcctgcagtt tctgaacact acacagacgc caggtnnctt cttcaggaga 420
 acagccctct gaggaggcag gaagaggagg cttatctttc agcagccgga gctgctgaga 480
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 actcaggccg ccaccggcag aagttaatgc cagctcacgt tttatttctg actgcttaat 720
 ccttggcctc gatcctggct ccagctctgg ctttttgtt cccaaanggt tncctttggg 780
 aaaacttctt ttttcctatg ctgaaattta tngggaaggc aaaaattaat tcccttgata 840
 ancnaaacct ttaaactccc 860

<210> 2852

<211> 542

<212> DNA

<213> Homo sapiens

<400> 2852

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 attaccttat taaagctgta tatgactact gggtagagaaa acgtaaaaac tgcngggggc 180
 catccctcat tcctcagatn aaacaagaga aaagagatgg ctctaccaac aatgaccctt 240
 atgttgctt tcggagaaga acagagaaaa tgcanactcg aaagaatcgt aagaatgatg 300
 aagcctctta tgaaaagatg ttgaaactga gacgagaatt tagtagagcc ntaacaattt 360
 tggaaatgat taagagaaga gagaaaacca aacgagaatt attgcactta accttagaag 420
 ttgtggagaa aagataccat ttgggagact atgggtgtga aatccttaat gaagtttaaa 480
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cc

542

<210> 2853

<211> 628

<212> DNA

<213> Homo sapiens

<400> 2853

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cgaggtccga ggcagcggca cgggtggactt cgggcctggg ccggggatct ctgcaatgga  180
ggcgagcggg ggcgatccgg gcccagaagc cgaggatttc gagtgcagct ctcactgctc  240
agagctgtcc tggcggcaga acgagcagcg gcgccagggc ctcttctgcg acattaccct  300
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caccgantac ttcacgcccc tgctctcggg ccagttttcc gagtcccgtt cgggacgggt  420
ggagatgcgc aagtggagct ccgagccggg gcccgaaccc gacacagtgg aagccgtaat  480
cgantncatg tacaccgggc gcatccgcgt cagcacgggc agcgtgcacn aagtgcttgg  540
aattggccga caggttccta ctcattcctt taaaanaatt tgtgganaat ttctcaagaa  600
aaaaacttcn tctctcaaat tgtgtngc                                     628
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<210> 2854

<211> 816

<212> DNA

<213> Homo sapiens

<400> 2854

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ttttaaata aaaagagtgt ttttaaatt cttaattctt taaaataacct ctagaaaagt   60
catatagtat gtctctaata gctaaaatga agtagcagtt gattcttcat atcttcttac  120
acacattaaa tgaaacataa tatTTTTgtg agTTTTcttg tttaatggaa actatactgt  180
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taattgcatt ttagaaaagg tgaggaagat ggaaatgtat cagctgaagg tgactcagtt 240
gaggcaggaa gtaaggaagc ctttcctga gagaaagctt tggtagctt ttgtgcgtgg 300
cttgattggt ccatgttatt gagggatgct tgagtacat agagaaatcc ttcaacaacg 360
tgaagagaac ttaagccaa ttatatacct naattaaaca ttgacaagaa tgtaattta 420
acagacaaat ttgtctgtt aatgttacag aaaaaactg ttagagaaag anaacacaat 480
tgggactttt tattttaaat tgacatactg taaattcttt tgtattgagc atataaatgc 540
aaccnaacc agtngtttct aacagttaat ttatgcatgt tttagatttc naatattaat 600
ttagtaattc cacaactact tgaatttctt tatcatgaat ctctgcattt ctgtgtcttt 660
cctgtgccta tcccctattg ttctcccaa aacctaagtt ncntgaatat anttttctc 720
attgggtttt ccttgggttg gggatcattt atttttnaat atacccccct ggtccaatat 780
tcctaatat tccctgaaat ttncnctcn tttnat 816

<210> 2855

<211> 753

<212> DNA

<213> Homo sapiens

<400> 2855

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catagagact ctggatattc ctgagccacc acccaattct ggatatgaat gtcagcttcg 120
tttgcgcctt tccacaggca aagacctcaa gcttgtggtt cgcagcacag acacagtatt 180
ccacatgaag agacggttgc atgcagcaga gggagtggaa ccaggtagtc agcgggtggtt 240
ttttctggc agacctctca ctgacaaaat gaagttcgaa gagctgaaga tcccaaagga 300
ctatgttgta caggttatag tgagccaacc tgtgcagaac ccaacaccag tggagaactg 360
aactgagccc tgttggccag ctccacatc cctctgctcc ttttatggt tcttgttgtc 420
atttctact ctgcggcgtg aaatctattt cactgctcta aattccctat gaatggattt 480
agttctgagg aattaccagt gaaaaattcc atctgtgatg gagaccaacn aaaattatta 540
aacacaaaga gccaggcttt ganactcatg ttattaccat ttctaatttg aaaggnngtt 600
tagaaataga ttaccattta ttttagaaca ctccacaact atgttatggc tatatttcag 660

tgacttggac tgttaaataa aacattgcat ccatgaagga cagccccag cccctttttg 720
aaatacngaa attttttttna naaaaatntn tcc 753

<210> 2856

<211> 649

<212> DNA

<213> Homo sapiens

<400> 2856

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cgcagtcagg actcttcccg caacccctcc ggctcccttt ccgcacgcct cgaggcggcg 180
gcggccaccg agacagcagc gcaccttccc ccatcccttc cccttatccc ccagcccaaa 240
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caggcccaga tgcgcgcgat gctggaccag ttgatgggca cctcccggga cgganataca 360
actcgtcaac gaatcaaatt cagtgatgac agagtatgca agagtcacct tctcaactgt 420
tgtcctcatg atgtcctttc tggaactaga atggatcttg gagaatgtct gaaagtccat 480
gacctggctt taagagcgga ttatgaaatt gcatccaaag aacaagattt tttctttgaa 540
cttgatgcca tggatcatct gcantcattc attgcanatt gtgatcgtn aacagaaaagt 600
ggccnanaaa agattagcag aaactccaga agaaattaat gctgaaatt 649

<210> 2857

<211> 582

<212> DNA

<213> Homo sapiens

<400> 2857

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gttaacgcga ggccccggcc tcggtccccg gactaagccg tgaccccggg tgccatnaag 120

cangagggct cggcgcgggcg ccgcgggcgcg gacaangcga aaccgccgcc cggcggagga 180
 gaacaagaac cccaccgcc gccggcccc caggatgtgg agatgaaaga ggaggcagcg 240
 acnggtggcg ggtnacggg ggaagcanac ggcaagacng cggcggggtc ggctgaacac 300
 tcccatcgag agctggacac attcaccttg ganggactca aggagcacgt gaaacagcta 360
 naaaaagcgg tticaggcaa agaaccnaca ttcgtgctgc gggccctgcg gatnctncct 420
 tccacatcac gccgcctcaa ccactatggt ctgtataang ctgtgcangg cttcttact 480
 tcaataatg ccactcgana ctttttctc cccttcttg gaacagccat ggacacanaa 540
 gctgatttac anttccgtcc ccgcncggga aaanctgcgt ca 582

<210> 2858

<211> 464

<212> DNA

<213> Homo sapiens

<400> 2858

acactgggct ccggcggcca gagtggggga ctaggtnaag cggcgccggg ccggggctgg 60
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 gcgcagccag aggagccgcc gcagtagctc cccgcctcc cgggctgagg gcggaaagaa 180
 aacatgcata tatgattttc ttctgatgaa acctaattgn ttcaagaaaa agaattcttc 240
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 gtactgttgc ttagtttttg gttcagttac tttgatgtgg ttacaanaag aattttggct 360
 gtaatggatt tcatacattt ttaatgtcta atttaatagg gatatanaca gttggtttaa 420
 accaacattt ttggacgaag anangctatg gaaatnaana aaga 464

<210> 2859

<211> 478

<212> DNA

<213> Homo sapiens

<400> 2859

anagagctac cagctgccct gttggcttcg ctggtcggat cgtcctcdtg gccccgccaa 60
acaggcgggg ggagcggccc cgactgtggg gccatggcag tagtctcctc gttctccgcc 120
gccgctagcc tatctgagtc gccggcttct gcgctagggg ctcccaccgc ctccgcaggc 180
taaggagccg ctgccaccaa cgagctgtga gggttactat gtcctctctt tgccgccgctc 240
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agaagagaag taaaattcaa caaaaattta tgtgtggagt tccttcttaa aagaagaaaa 360
aagtgattat ttagactatg gatcggagca aacggaattc aattgcagga tttcctccac 420
gtgtggagcg tcttgaanan tttgaaggan gtggtggang agaangaaat gtgagcca 478

<210> 2860

<211> 762

<212> DNA

<213> Homo sapiens

<400> 2860

ggaaaaatgt gtgcaaagaa atgatggccc ctgaggacag actctgggcg atcacagtca 60
cctgtgaagg ttttatnaag atgaaatctg atgaaaatgc aagccttcag caaaccataa 120
aaccctgtat caaggtaga gagaaggaaa agccttcctt actgaagctc tttcgggaca 180
acacggccat tccaacctct agtgactcta cgtaggtgta aacttttttg tgggcattca 240
aagaaacact cagcatcctt ccataaata tatttattaa cttctacaag caatctaatt 300
tccttaatta caagcctaatt ttaatttccc tttaagcctt tttgtaatt ttctttggan 360
atttttcacg tctttcattt atttatttgg agacagagtc tcgctctttt tcatgtcttt 420
aattaattaa ttaatttatt ttgagacgga gtcttcactg tgcactcan gctggantgc 480
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tattttttan tagaaacagg gtttcacat attggccagg ctggtctcaa actcctgatc 660
tcaggtgatc ccctgcccc gctccctga aattgttggg attacaggca tgaaccacc 720
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<210> 2861

<211> 690

<212> DNA

<213> Homo sapiens

<400> 2861

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atctaagag gagcgaggtg cggcgccccc gaagcgctcg ctccccgagg tgcgatctan   60
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gcctgacatc gctcccagcg ctgangacc gaggcctgct gtggangaca ccgtgctccc   180
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gaacccaacc cagaagtctc aagtttgacg catcacgtgg cgtgcggatc cactgagggt   300
ccacagagag gggcgcccac ctctgcgtc tcagttatcc tgggtgttggg aattctgtgc   360
cctaaagaat tccgactcac atccgaacgg ggatctggtg gaatcnaggg tgaaagacca   420
gagggacaat gttctactat cccaacgtgc ttcagcgcca caccggtgc ttgtccacca   480
tctggctggc ggcgactcgc ggcagccggg ttggtgaaac gcgaatacct gaaggtgaat   540
gtggtgaaaa cctgcgaaga aatcctcant tacgtgctgg tacgaatngc aaccccgcan   600
cccggccttg ccgcgggccc gcttctccct ctatctctca ncccaacttc anatctgtgt   660
gatccgcgtc tnttctccac caatgccttt                                     690

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<210> 2862

<211> 751

<212> DNA

<213> Homo sapiens

<400> 2862

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gtacgccgat tccatatggg cgccggcgcg gagcgccgag gggcagcgcg gggtcgccc   60
ggctgagctg cagcagctcc ggggtgcagga ggcgatggag tccatggtga agagtctgga   120
aagagagaac atccgaaga tgcagggtct catgttccgg tgcagcgcca gctgttgtga   180

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ggacagccag gcctccatga agcaggtgca ccagtgcac gagcgctgcc atgtgcctct 240
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 gtgcaccatg cattgcaatg acaaagccaa agattcaata gatgctggga gtaaggagct 360
 tcaggtgaag cagcagctgg acagtttgt gaccaagtgt gtggatgacc acatgcacct 420
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 tttgccagtg gccatcaggc tgaaggcaag aatataatit ttataaggga attgggaatt 540
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 aaaaaagtgg tgctnaaatc caantcaaaa atattaacng ggaaaatttt taaaancit 720
 ttantttccc tgtgggccag ttgctttgtt c 751

<210> 2863

<211> 823

<212> DNA

<213> Homo sapiens

<400> 2863

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 cgccggttta tttgaggctt ctaatgtgag gaaaaacacg gaatgacaag tgtgggaaag 180
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 cctgggttgc taaggaattt ggtctgctg ctctctggg gaaaatttgg taanctgggt 720

acaaggaagt ttaatnaaca aaggctaaaa tgaaaatcat acattaactt cccattatt 780
ttgtnaacat tttctttaac ataccaaaca nantttccaa tnt 823

<210> 2864

<211> 727

<212> DNA

<213> Homo sapiens

<400> 2864

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cgtccccggc gtcgaccccg agccgccgcg gcagccggcg tggaagggcc acccccggcc 120
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gcaaagaaaa ctttccagan atttcttcac cgtttttattg acccctctgg ctaaagaana 600
anaaaatgtt ggcatagata ttactgaacc tctatactg caacgacttg ggganattaa 660
tgttattggt ganccatttt ttaaattgtg aacttggtga nccccctcna nttcattttg 720
acaaaaa 727

<210> 2865

<211> 348

<212> DNA

<213> Homo sapiens

<400> 2865

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 ccctccagat gacattggct ccagctttta tcctgaattg ggaagttaca gttctcggga 180
 tccttctgtc atagaaactc acatgagaca aatgcgctca gcttcaattg gtgtactagc 240
 cctctcttgg taccacactg atgtaaata atgaaaatgg aagaacctac tgataacttg 300
 ggtaccncct atttggaat aaagctcata aantatancc tgaaaggt 348

<210> 2866

<211> 732

<212> DNA

<213> Homo sapiens

<400> 2866

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 tttgacagaa gctgtccctc aaaagcaaac atgcaatana agaaacagat ctcaatggag 120
 tctcactctg tcacccagga tggagtacag tggcgtgatc tcggctcact gcaagctccg 180
 cctcctgggt tcatgccatt ctctgcctt agcctcccga gtagctggga ctacaggcgc 240
 ctgccaccac gcccggttaa tttttgtatt tttagtagag acagggtttc accgcattag 300
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 ttcacatgt tggccaggct ggtcttgac tcatggcctc aagtgatcca cctgcctcgg 480
 cctccgaaag tgccggggat tacaggcgta agccactgtg cctggcctta aatgggtaaa 540
 tttcatatgg tatatgaatt atatttcact aaaactttta gaaaacatta tacagtactg 600
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 atattatatg cc 732

<210> 2867

<211> 678

<212> DNA

<213> Homo sapiens

<400> 2867

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tgacctgagg aagaagagca agtaatacat gaagatgatg aaagaccttc tgagaaaaat   60
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cgtcgatata tggaagaaga atatgaggca gaatttcaag taaagattac agccaaagga  180
gacattaacc agaaacttca aaaggttata cagtggttgc tggaagaaaa atttgtgtgcg  240
ctgcagtgtg ctgtatttga taagactttg gcagaattga aaacacgagt ggaaaagatt  300
gaatgtaaca agaggcataa aacagttctc actgaactac aggccaagat agccagggtta  360
accaaacgct ttgaagcagc caaagaaggt cttagaaaa gacatgaaca tccaccaaac  420
ccaccagtat caccaggaaa aactgtaa at gatgtcnaca gcaataatna catgtcttac  480
agaaatgcag gcacagtgag acagatgctg gagtccaaaa gaaatgt nag cgagagtgc  540
ccacntcct ttcaaactcc tgtgaataca gtatcttcaa ccaatcttgt cntcctcca  600
gcagttgtca gtagtcaacc taaattgcnn actccagtga cttcgggttc cctccacngc  660
aacgtcngtt cttcctgc                                     678

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<210> 2868

<211> 703

<212> DNA

<213> Homo sapiens

<400> 2868

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ctgcggagca ccattctttt caatgcctac aaaaaggaga tatttaccac caacaatggc  120
tacaaatcca tgcagaaaaa acttcggagt aattggaaga ttcagagctt aaaagatgaa  180
atcacatctg agaagttaaa tggagtaaaa ctgtggatta cagctgggcc aagggaaaaa  240
tttactgcag ctgagtttga aatcctgaag aaatatcttg aacttggtgg agatgtcttt  300
gtgatgctag gagaagggtg agaatccaga tttgacacca atattaactt tttactagaa  360

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gaatatggaa tcatggtaa taatgatgct gtggtagaa atgtatatca caaatatttc 420
 catcctaaag aagctctagt ttccagtga gtcttgaaca gggaaattag ccgagctgca 480
 ggaaaggctg tgcctgggat cattgatgan gaaagcagt gaaacaatgc ccaggctctc 540
 acctttgtgt atccttttgg tgccacattg agtgtcatga aaccagcagt ggcggttctg 600
 tctacaggtt ctgtcngctt cccacttaa cagaccatt ttgggctttc taccactcaa 660
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<210> 2869

<211> 816

<212> DNA

<213> Homo sapiens

<400> 2869

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 tggccctgcg cccgttgcta ctgaggcggc gtgctctgca ttcttcgctg tccaggcctg 180
 ccggctctgg tgtctgctgg ctctccttg ctgcctgct ccctcctgct tgcctgagtc 240
 accgccgccg ccgccgccac agccatggcc gagagtggg aaagcggcgg tcctccgggc 300
 tccaagata gcgccgccg agccgaangt gctggcgccc ccgcggccgc tgcctccgcg 360
 gancccaaaa tcnngaaagt caccgtgaag acccgaagg aaaagganga attcgccgtg 420
 cccgaaaata actccgtcca gcantttaag gaagaaatct ctaaactgtt taaatcnct 480
 actgaccaac ttntgttgat atttgctgga caaatittga aagatcaaga taccttgagt 540
 cagcatggga attcatgatg agacttactg ttcacctgt cattaaaacn cnaaacangg 600
 cctcaggatc nttcagctca gcaacaaat acagctggaa gccatgttac tacatcatca 660
 actcctaata gtaactctac atctggttct gctaactagc aacccttttt gggtttaagt 720
 tggccttggg ggggaatttg caaggtctga attancngg gggttngaaa tactaaccn 780
 ncttcctctg aaatttccga atcccgaatg ccggcg 816

<210> 2870

<211> 717

<212> DNA

<213> Homo sapiens

<400> 2870

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gaggaaataa ttaagcttat taaagacaaa aganaggatg ttagttttcg aaacattggc 60
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gatagaaaag gaccagcaga agtagacact gtggatgcat tccagggtcg gcagaaggat 180
tgtgttattg ttacgtgtgt cagagcaa atgcatccaag gttcaattgg attcctggca 240
agtttgcaga gattgaatgt caccatcaca cgagccaagt acagcctctt catcctcgga 300
catttgagga ccctgatgga aaaccagcat tggaatcagc tgattcagga tgctcagaag 360
cgtggtgcc a ttattaagac ctgtgacaaa aactatagac atgatgcagt gaagattctg 420
aaactcaagc ctgtgctgca ganaagtctc actcaccctc ctacatagc cccagagggg 480
tccagacccc aggggtggtt gccagcagc aagctagaca gtggatttgc caagacatct 540
gttgctgctt ctctatacca cacaccctct gactccaagg gaaattactc ttactgttac 600
ttcnaaggga ccctgaaaga actcctgttc atgaccnact tccnggaacc ncgaatgctg 660
aaaaagatng ggctttgaag tccaaggaag aatttccttt tggggatccn caacccc 717

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<210> 2871

<211> 552

<212> DNA

<213> Homo sapiens

<400> 2871

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tctaaaaatg cntcctgaag gttcccta atttctaaatct gggaaccac ttccgaacca 60
gctactttta aatttctcag actggctggg ggaaaataga aacttagcca ctctaacatg 120
gtagatggag gcgtgaactg tnataaccct nagatgggta tacagaattt ttctccccna 180
gtagcagtca cattgcaaaa agattatatt gctattgaat ttttaagggt agattaaatg 240
tctgtnatat gtgcataatc ttccattcct gggatccttag tcttgacatt ttctttttaa 300

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gcatanaaca cccctccttt acaaagaang tnatctgtgg aaggaaagac atgctaatat 360
 gatggtttta attataattc cctcagaacg gaatatatcc attaagtaca tggcatatat 420
 atggctatag aaactgctac ntgtatttaa tttattgcct taatTTTTTT ttatctctct 480
 cnggatagac cntttagaaa ctatccagca actcctaact gcagtngtaa agaanatcca 540
 ttaatcactg cn 552

<210> 2872

<211> 760

<212> DNA

<213> Homo sapiens

<400> 2872

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 ctctgggctgc tcacgtctct tcggagagcg cgcacatggc gactcaggcg tactccctca 180
 gctacgcagg gtgcaacttc ttgcgccaac gtctggctct gtctaccctg agcggggcgcc 240
 ccgtcaaaat ccgaaagatt cgggccagag acgacaaccc gggcctccga nattttgaag 300
 ccagcttcat aaggctattg gacaaaataa cgaatggctc tcgaattgaa ataaacaaaa 360
 caggaacaac cttatattat cagcctggcc tcctgtatgg tggatctgtg gaacatgact 420
 gtagcgtcct tcgtggcatt gggattacc tggagagtct tctttgcttg gctccattta 480
 tgaagcacc. gttaaaaata gttctacgaa gagtgaccaa tgatcagggt gacccttcag 540
 ttgatgttct taangcaaca gcactccctt tggtgaaaca atttgggatt gatgggtgaat 600
 catttgaaac tgaatatattg ggCGaanggg aatgcctccc ggaaagaaga agcgaatgg 660
 ttttctcatg tctgttaagg aangtcttga aancccatc cactcccaga ttcangaaaa 720
 aatccaacgt tttaaaaaga aanggcgttc ccngttacgt 760

<210> 2873

<211> 896

<212> DNA

<213> Homo sapiens

<400> 2873

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attaatatgt gctcatatct tactcaacat cagagagtct gtacttaata aaaccattat 60
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attcattctg aagacaaaca ttacaaatat taagagggtt gtagtaccat tacttgcatc 180
acagatctta ttgtacacat tttgtactaa agaaaaccct gaagcagttg ctcaaatact 240
gttcaacatc agaaaattta tattggaaaa aacccttgga aaatgtaata aatttgtaaa 300
aacagttttg aaaaactaca gcttataaaa catgagggtc tataatgctt ggttgatagt 360
acaaagttta ttcnecatca gggaatttat attggagaaa aaccctacaa atgtnatcag 420
tttggaaaaa cattttttaa aaaaccacag catagaaaac accacagggt tcatactaaa 480
atatgttttt gcagatgcag taaaaatgaa aaaaatttaa tccgaaatta agtttatgta 540
aatatctgan aattcacagt agaaatatct aaggcgcgga cacttcagac attacactaa 600
atcagtgcta agtncagaaa acaacncnaa ataaaacttg gtggataaat tatttgtnta 660
tnacattaaa agaagtagaa gattttcagt tataattacc attaaaagtt tacttttatc 720
ttgaaaaaaa ttactgaatt tttaaattaa gtggaataat gatgttattt aaactcccca 780
aataactttt atgctccttt ttccattcc cggtctaatan ttccncatgt tgaaaagcat 840
gttgaaccaa ttgntggctg gcccennaag aatttgaaaa aaattccttt ttattt 896

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<210> 2874

<211> 560

<212> DNA

<213> Homo sapiens

<400> 2874

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acacgccgcg ctgaggcccc cgggcccgctc atggaggcgc ccaccgtggg agacgcccc 60
ccgacccttc gcccccttcg gccccggccc ctgccctggt tccgttgcg gccccggatg 120
tggcgcggtt gcgcgaggag caggaaaagg aagaaggtag ataatgacta taatgccctt 180
cgagaaagac tcagcacctt gcctgataaa ttgtcttata atataatggt accatttggc 240

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ccttttgcct tcatgccagg aaaacttgtc cataactaatg aagtctctgt ttactgggg 300
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 gaacatgtta gaaaaacaat agatgactta aaaaaagtga tgaaaaattt tgaatccaga 420
 gttgaattca cagaagattt gcagaaaatg aacgatgctg caggatgatat tgttgacata 480
 cganaagaaa ttaaatgtga cttcgaattt aaagcnaaac accgaattgc tcataaaccg 540
 cattccnaac caaaaacttc 560

<210> 2875

<211> 602

<212> DNA

<213> Homo sapiens

<400> 2875

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 atcaagatga ggaggaaggt ctccaatctg atgggtgttat tgatgatgca ttgacctgt 120
 ggctacagga ctcaacacag acattgcaat gtattacaga actgttcagc cattttcagc 180
 gttgtacagc cagtgaagaa acagaccatt cagatctctt gggaaccctg cacaatcttt 240
 atttgattac ttttaatcct gtgggaagat cagctgttgg ccatgttttt agtctggaga 300
 aaaatctcca aagtcttatt actctaattg agtactattc caaagaagcc ttgggtgatt 360
 ccaaacttaa gaagtcngta gcttataatt acgcatgcat acttattttg gtggtggttc 420
 antcttcag tgatgttcaa atgctagaac aacatgcagc atctctcttg aagctttgta 480
 aagcagatga aaataatgct aaattgcaag aacttggcna gtggcttgaa cctctgaaaa 540
 accttagatt tgaaattaac tgcateccaa acttaattga gtttgtaag canaatatcn 600
 at 602

<210> 2876

<211> 489

<212> DNA

<213> Homo sapiens

<400> 2876

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gggggctgct gggaaggccg gcgggatgga ggcggcggga ccggctcgcg ggtgcgggtc 60
cgggtgaagc gggaggcagc cagagtcgga gccgggcccg agcaccaggc gcaggcccgg 120
cgcccgccctg cccgcaccct cgtcctcaca gacgccacag ccatggccat gatggtgtnt 180
ccgcgggagg agaagctgan ccaagatgan atcgtgctgg gcaccaaggc tgtcatccag 240
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ggccggcgaa acctagcctg gctcgcagga tcgctgcac ctcctgcgtc gctccctgga 360
atccattgag cttgggctgg gggaggccca ngtgatcttg gcattgtcga accacctggg 420
ggctgtagaa tccgagaaac anaagctgcg ggcgcacgtt cggcgtctgg tgcaagaaaa 480
ccantggct 489

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<210> 2877

<211> 826

<212> DNA

<213> Homo sapiens

<400> 2877

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attaaatgat tataaactaa ggaaaaggaa gacttttgaa gataatataa gaaaaaacag 60
gactgtgatt agtaactgga taaaatacgc acaatgggaa gaaagcctaa aggagattca 120
aagggtcga tccatatacg agcgtgcttt agatgtagac taccgaaata ttacactctg 180
gctgaaatac gcagaaatgg aaatgaagaa tcgccaaagtc aaccatgctc gaaatatctg 240
ggaccgggcc ataacaacgc tgcctcgagt taatcagttc tggtacaagt acacgtacat 300
ggaggaaatg ttgggaaacg ttgccggtgc ccggcaggtg tttgagcgct ggatggagtg 360
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ggatcgggcc cgcaccattt atgagcgatt tgcctcgtg caccctgatg ttaagaactg 480
gatcaagtat gcccgtttg aaaaaaaca tgcttatttt gcccatgcac ggaaagtgtg 540
tgagaganct gtggaattct ttggagatga acatatggat gagcnccttt atgttgctt 600
tgccaagttt gaanaaaatc agaaanaatt tgaaagggtt acgantgatt tacaagtttg 660

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ccctggacng aatttccaaa ccagatgccc cagaaacctt ttaaaattat tccccctcctt 720
 tgaaaaaaaaa tttnggtgaa tnggcggggg tttttaaaaa tttctttgtn aagccaaacc 780
 ggaaaattcc ccgtttccaa aaaaaaaaaa ntttaaaggg cgaaat 826

<210> 2878

<211> 662

<212> DNA

<213> Homo sapiens

<400> 2878

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 gaaggcctta ttaacaaaaa gttacccaaa gaacttctgt taagaatatt ttccttcttg 120
 gatatagtaa ctttgtgccg atgtgcacag atttccaagg cttggaacat cttagccctg 180
 gatggaagca actggcaaag aatanatctt tttactttc aaacagatgt agagggtcga 240
 gtggtggaaa atatctcgaa gcgatgcggt ggattcctga anaagctcag cttgcgaggc 300
 tgcatgtgtg ttggggattc ctccttgaag acctttgcac agaactgccg aaacattgaa 360
 catttgaacc tcaatggatg cacaaaaatc actgacagca cgtgttatag ccttagcaga 420
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 cagatcacga aggatggcnt ccaagcactg gtgcgangtt gtccaagcct gaaanccctg 600
 ctctgaagg gctgcccncg gttngaaaat gaagctctga aacacattca aattactgcc 660
 nt 662

<210> 2879

<211> 557

<212> DNA

<213> Homo sapiens

<400> 2879

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 antaactgaa gtgtaactgt taaatgcttg tatactantt tttctttctg attgtcagtg 120
 atttataagc tataaatgac caaggctctc agactgcttt tagcatctgc aacttaaaaa 180
 aatgggagtt agaaaaagaa caaatgctaa atagagtaac agttaaatgt atgtgtacac 240
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 gtctgtagtt aacatttatg ttcctactc cctacgtaag ccagactttg gcaacagtga 360
 tagttgattc caggcttatt tgacttaaag tcaactgaant ggaaactaag aantggcagt 420
 tagtgtttta cccagcattt ctgccttctc tcttttcttc atgtgttttt gtctctagcc 480
 tatgtgtatt tgtgtaaaat aatgtgggat accngaana tanattttaa aggaccaant 540
 ggtnaaattg ggcccaa 557

<210> 2880

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2880

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 aaagagctac aaaggcaaaa aacaaatcta gatgatgatg tacctattct cttatttgaa 180
 tctaattggtt cattaatata tactcccaca attgaaatta atagtagtca ccacagcgca 240
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 caaatgattc agcagtctca tgataatcca agtaactctc tgtgtgaagc acctttgaac 360
 atttcacgtg atacttttg ttcagatgaa tactttgctg gtggcttaca ctcatctttt 420
 gatgatcttt gtggaaactc aggatgtgga aatcaggaaa ggaagtgtga aggatccatt 480
 aatgacatta aaagtgatgt gtgtatttct tcacttgtat tgaaagcaaa taatattcat 540
 tcataccat ctttactca cctcgataaa tcaagtcctc agaaatttct gagtaatctt 600
 tcaanggaag aaataaactt gcnaagaaat attgcgggtt aagtaatccc cctcaccaaa 660
 aaccagctgg canggtntgt ctccnggaaa cgttttgaaa 700

<210> 2881

<211> 640

<212> DNA

<213> Homo sapiens

<400> 2881

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aagaagatgc ctggagcagg cagcatcctc aaatggaagg taattgccct caaatcactt   60
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gggaggcatc gtgccagagc ctggggcaag aaagggtgc tatccaggaa tgcaggtgaa  180
attatagcta ttagccctgt cttagagtgt gaggaaaatg tgcccccta cccctggcta  240
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ggaactcaaa gtaacatttg atttccaaa gagaacattt gcatttgtaa ctgtcagaaa  360
taggagagat catcaaagct aaatgaattg ggctataaac agtttgaaat atgtctttaa  420
attttaaaaa acatatTTTT tgTTTgTTTT ggggagagan gatcatttan actcaacaac  480
aaaacagaaa actgtgagtg ccattttgag acaagaccta cctggtcctt cccctcata  540
ctttctgcta ccccgtagacc tccctctctc ctccagtcag cagattatcc gcttggtttt  600
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<210> 2882

<211> 696

<212> DNA

<213> Homo sapiens

<400> 2882

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cagttatatt ctactctgaa agaaggcaac ccaccctggg aggtgacaga agcggttctc   60
tttatcatgg ctgctatagc aaagagtgtt gatccggaaa acaatccaac acttgttgaa  120
gtcctagaag gagttgtccg cctcccgag accgtacata cggctgtgcg ttacaccagc  180
attgaattgg ttggagagat gagtgaagtc gttgatcgaa atcctcagtt ccttgaccct  240

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gtgttgggct atttgatgaa aggcctgtgt gaaaagcccc tggcttctgc tgcagccaaa 300
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accaatccca ttgtggaaaa tggacagact catccgtgtc agaaagtcnt acaggaaata 660
tggccngttt tatccgagac tctnaattan cnccga 696

<210> 2883

<211> 625

<212> DNA

<213> Homo sapiens

<400> 2883

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tcaaagccac agacaggaaa tagaaagtgg aaaagtaata tctccttttc ttttccataa 180
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ggagacaccc tttctgaaac tganttggaa gtgaaagggt ggtgatggtt ttggccaanc 480
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gttcacactc tgggaccctt aanacattgt cantgggtaa ggtggaaggn cactgccana 600
agctgctgcc antgcctctg gggaa 625

<210> 2884

<211> 556

<212> DNA

<213> Homo sapiens

<400> 2884

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tagatgctgc taactgttcc tcggctgac gttttgtgac ccttctgctg cctacaatcc   60
ttgatcaact tcagttcaca gaacnaaatc tagattaggc tttacaaga aaaaaatgtg  120
aaaggattgc cnaggccatt gaagttttgt taactctctg tggagatgat aactaaaaa  180
tgcatattgc aaaaatcttg acnactgtca agtgtgccac tcttatagaa cnacaattta  240
catatggcaa gattgacctg ggatttgga caaagggtgc anattctgaa ttatgcaaac  300
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ttttgcttta acgtccgata atagagaaca agtacagtct ggactgagaa tattattgga  480
ggctgctcca ctgccagatt ttcctgcttt ngctactggg agaaagtata gcancanaca  540
atgcctattn acgacn                                     556
    
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<210> 2885

<211> 565

<212> DNA

<213> Homo sapiens

<400> 2885

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gtgctgggccc gcgggcccga agatcgccag ggctgcgtat gcttgtggcg cgcccgcgga   60
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agcgcttaca ttcaggagct ccgcgtagca cctgcccac caaactcagc cctccgttaa  180
gatcctgggt ccatgccgca gtaagacagc aggcccaagt ctgcacatcc cagtgatgca  240
ccatgccaat agtggataag ttgaaggagg ccctgaaacc cggccgcaag gactcggctg  300
atgatggaga actggggaag cttcttgcc cctctgcca gaaggctctt ttacagaaaa  360
tcganttcga gccagccagc aagaacttct cctaccagct ggaggcctta aagaacaaat  420
atgtgttgct cnaccccaaa acagaggag ctagtcgcca caagaatgga gatgaccccc  480
    
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cngccangag acgggcagtg agcacacgtt tgagaactgt ggtgaccgaa tccccgcccc 540
gcagaaatnc ttttcccacg ggagc 565

<210> 2886

<211> 539

<212> DNA

<213> Homo sapiens

<400> 2886

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gctacagttt ttgtgtttgc tgttgttata tatttccaag gatttcgcgt tgatctgccc 180
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cctcctgagt ccatgggcgc catctttgaa gatcctgtcc atgtcnttgt ttatatcatc 480
ntcatgttgg ggtcatgttc attcntctct aanacatgga ttgaagtgtc tggttccnc 539

<210> 2887

<211> 670

<212> DNA

<213> Homo sapiens

<400> 2887

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gtgggtgggtt ccatgtgatg gtggagtagg aggcaggtct ccgcggttca tctgtgttgc 120
tctaaatgac actgcttcat tattttgatg gctgganaat atttcctagt gtatgtatat 180
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tgtgttaagg ctagtcaccc tgctgtggaa tagaaggcca gaattgatca gtctcatctg 300
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 ttttctggct gaanactatt ctctttgtgt atgtccacca cagttacttt atcccttcct 600
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<210> 2888

<211> 589

<212> DNA

<213> Homo sapiens

<400> 2888

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 aggccangag tttgcancca gggcgccggg tttgtggtct gcantgtcgt gaggctgagg 180
 tgcatcatgt ctagactggg agccctgggt ggtgcccgtg ccgggctggg actgttgctg 240
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 cccggacgcc acgtgatgct cctgcgggct gtcccangtg gggctggana tgcctcagtg 420
 ctgcccagcc ttccacgggg aaggacagga caangtgctg gaccgcctgg actttgtgct 480
 gaccaccttg tnggcgctgc ggcgggaggt ggaggancgtg aaaancagcc tgcgaaggct 540
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<210> 2889

<211> 814

<212> DNA

<213> Homo sapiens

<400> 2889

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accaatataa aaaaatatgt tcaactattc cattttaaat ttaaagcaga aaaaaaaatt 180
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caatatcatg aggtcgaaaa aaacttcaaa aggatattag gtnaganaaa atgtgaatga 360
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tctttttacc atacagctag atggcctgta ttattcttaa tgtggccaaa ggantgaaga 480
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aagcttttgg gaatagaaan acaaagtttt aaanagaatg ggatatgttt tccttgcnc 660
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<210> 2890

<211> 739

<212> DNA

<213> Homo sapiens

<400> 2890

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tcacctacat ccttttctac ggcatcctgg gagccctcct tttcctcaac ttcatcaggt 180
tcctggagag cacttggttt gtgtgggtca cacagatnaa tcacatcgtc atggagattg 240
accaggaggc ctaccgtgac tggttcagta gccagctgac agccacctgc aacgtggagc 300

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 ccaagcatgg cattgaatac caaganaacc gctactgagg gccctgctgg acatcatcag 480
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 ttgttctgaa ggggtgtccga aaagctgggtg tntgcactgc tcacggaccc atgttggatc 660
 tttctccctt tctcctctcc nttntctctt caatctcccc catancnctt ggccctcttg 720
 ggaacttgcc tcctcanc 739

<210> 2891

<211> 464

<212> DNA

<213> Homo sapiens

<400> 2891

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 tccggcggcg gtggtantgg cggcggcggc ggCggCggca ncagCggcag gagggcagan 180
 atggaacca cttttcccca gggatatggtt atgttcaacc accgtcttcc cccggtcacc 240
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<210> 2892

<211> 575

<212> DNA

<213> Homo sapiens

<400> 2892

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cgacgcgccg ctggcctcag cctggacgcg gaccctccg cgagcgctc tgtgaccac 180
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cttcctctcg ctcccgctag cccctcccg gacctctccc cctccacccc ctccccacc 480
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angacggtct tgctggagat cntgaccaan gacgg 575
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<210> 2893

<211> 683

<212> DNA

<213> Homo sapiens

<400> 2893

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acctgaaggg tatgagatat gcggtatttg gcctgggaaa ttctgcctat gctaaccact 180
tcaacaaggt tggcaggnat gttgacaagt ggctctggat gcttggcgcg catcgtgtga 240
tgagtcgagg ggaggcgac tgcgacgtgg ttnaaagcaa ncacggcngc attgaggccg 300
acttcagagc atggaagacc aanttcattc cccagctgca ggcacttcag aaaggggaga 360
gaaagaantc ctgtggcggc cactgcaana aaggcaantg ttaatctcac caacntggct 420
canaggagag ggaggaagga tctcatgacc aggatgaatt gcattctaga caccgagga 480
aggaanaacc tttgagagct ccaggtgaaa aanatttggt ggtgaggacc atcagaccta 540
aattccattg ttgatgttna anatttgggc caaattatgg atcctgtgta naaagaacag 600
agagaatcga accgcccga aaaaaantct ggttgttcc aggaacctg gggaagaant 660
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gaaaattngt gaaaagaaaa act

683

<210> 2894

<211> 701

<212> DNA

<213> Homo sapiens

<400> 2894

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tgagaagat caaggctcgt ttgaaggctg agtttgaggc acttgagtca gaggaagagc 180
acctgaagga atacaagcag gagatggacc ttctgctaca ggagaagatg gcccatgttg 240
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cagctccaag tggctnggaa acangatact cggcagacgg ncccttcagg gcagcagccc 600
ccacctatga aggctgctt gtctgtcccc ngcaaattcc ccgggaatgc cccctntttt 660
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<210> 2895

<211> 500

<212> DNA

<213> Homo sapiens

<400> 2895

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tggaggactc ggtgtccang ttggagaagg aaattgaggt gctggagcgt ggagactccg 180
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 gtccagccaa ggangagcgc nagacagagg tggatgaa ttcacagcac acgccggtgg 300
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 tgatgaangc antggtccat gctgtggacg gcaccgccga aaactggatc caccctga 420
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<210> 2896

<211> 151

<212> DNA

<213> Homo sapiens

<400> 2896

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 tccccaccc ctccgacgtg tccgtccacc ctccatcaa cgggtctcct cccagcggcc 120
 tccgngtgtt tgcccancag ctcaagaana a 151

<210> 2897

<211> 653

<212> DNA

<213> Homo sapiens

<400> 2897

gataaggaac ngaagacggt naaacaatg aatcgcaaat ttcaaataat ataaacatgc 60
 agagttactc agtagaaatg cctaccgtgt ctccagtgagg aggcataatt ggcaccggaa 120
 tagatgaact gcagaagagg gtgccccaaat tgatctttaa gaaaggaagc agaaagaata 180
 cagataaaaa ctaccttaac tttgtgtcac cattaccaga catagtagga cagaaatcct 240
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gtcttctcca aagtacaagt ggcaacaag gtcagataag tngtaattat gatgatgcc 360
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 taaacgtagg acacatggc tcccaacagt ctgtcattca ntctgcangt gtcagtgttt 480
 tggacaatga ngcaccattg tcacttattg actcctcagc tctaaatgct gaaattaaat 540
 cttgtcatga caagtctgga attcctgatg aagttttaca aagtattttg ggatccatac 600
 tccncaaat cagaaagcca naaagaagat cctttccatn tttgcanaac cnc 653

<210> 2898

<211> 896

<212> DNA

<213> Homo sapiens

<400> 2898

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 acgtctctcc cttaccagcc ttcgcttct ggtgcccagc tcttaggacc gtgtgtgact 180
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 gccngtatcc cctgatgaac atagatncca gaaatcctcc aacaagaacc aggtttttgg 720
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 caccctnaag gtccgggnaa ttttgaaaaa ccgccctggc ccacattggc aaaaccctg 840
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<210> 2899

<211> 645

<212> DNA

<213> Homo sapiens

<400> 2899

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gcgctgcggc ggancccagt gaaagtgggt tttccttccg gagaggtggt ggaacagaag 180
cgcgctcctg ggaagcagcc ccgcaaggca ccatctgagg ccagtgccca ggancaacga 240
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cttcgctacg ataaagctta tcccggggac aggaggctga gcagtgtaat gacaatngta 360
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tcanacgctc tcaaggctgg agctgtgcc aaaaatgttct tctttagccn tctagaatac 480
ctaaaggagt tgccagtcga taagctgaaa ngtgtcagcc tcattaaggt gaaatttgan 540
gatatcaagg attggtccga cctcgtaacg cccaaggaa taatggggat ttttgccnag 600
cctgaccatg ttnaaatgac tatccnaaga ctngcttcn cattc 645
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<210> 2900

<211> 485

<212> DNA

<213> Homo sapiens

<400> 2900

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tgccacaaag atcacatgaa aggattaaga gcccctacct tgaaaagaag gttggagtgc 180
agatnaggaa actgaggaac cagagaggtt aaattagttg ccagtggtca cacagccagt 240
aagtggcagg accaggattc cagccagctt gaaggtttat ctatactgtt cacctgtgac 300
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taaggagttg ttgttaacga gcccgaata cagattttgg aagaaacgaa ttagcantca 360
 caacagcagg gttgttcctg ttgtctctgg cattcagctt gaagttacta caggtcagcc 420
 cggccagcan tcaggaagga aagctggaan anaagtggag gggaacagan acaaactgga 480
 angca 485

<210> 2901

<211> 692

<212> DNA

<213> Homo sapiens

<400> 2901

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 cgggaaggag gtggtctact tatcccccca ctatggattc tgggtgataa ggctgaagaa 660
 agggaaatga attccgagcc nggccnnat na 692

<210> 2902

<211> 541

<212> DNA

<213> Homo sapiens

<400> 2902

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gatcacagtg gtgatgataa agtcttcctg gactgcttct gtnaaatanc tgctggcatc 480
aanaacaaca gcaatgggca ccagctgaan gatctgattc tcccgaangg gatcacccag 540
a 541

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<210> 2903

<211> 480

<212> DNA

<213> Homo sapiens

<400> 2903

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tcaaggcttt tacctttgac gataaaaacg atgagctttc acagttaaag gagtccaagc 180
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<210> 2904

<211> 652

<212> DNA

<213> Homo sapiens

<400> 2904

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ttgctttaag tgacggagtc cacaagatcg aatttgaaca tgggactaca tcaggcaaac 180
gagtagtata ttagatgga aaggaagaga taagaaaaga gtggatgttc aaattagtgg 240
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acataaaggc tgtcagngt gggaancgga aagaanggat tattcatact ctattgttg 600
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<210> 2905

<211> 600

<212> DNA

<213> Homo sapiens

<400> 2905

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tcgggcttcg ccctcgactc gggactggan atcaaaactc gtcggtgga ncanacgcta 180
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tttgtaaag tangagaagc tatagccaat gaaaactggg atttgaaaga agaaataaat 360
attgcttgta ttgaagctaa acaagcagga gaaacaattg cagcacttac agacataacc 420

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aacttgaacc atctggaatc tgatgggcag atcacaattt ttacagacaa aacaggagtg 480
ataaaggctg caagattact tctttcttca gtgacaaaag tgttgttgct ggcagaccga 540
ntnntcntta aacagataat aacatcaaga aatanggttc tcgcaactat ggaaagacta 600

<210> 2906

<211> 788

<212> DNA

<213> Homo sapiens

<400> 2906

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tgtcgacctt cttataagat acattttgga agtcaaaatg aaagttttct gtgaagtttt 180
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aatgctcctt cagttaacag tgatcaaagt gatgacaacc cggatattgt ctgtcaaaac 480
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aattcctggg attgcttttt ggcccagaaa aatctttctg aatactctga aaatttataa 720
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ccnggttc 788

<210> 2907

<211> 622

<212> DNA

<213> Homo sapiens

<400> 2907

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gcagcgcaac tctcgcggcg gccagggccg angtgtggaa aannccccgc acctggcagc 180
cctaattctg gcccggggag gcagcaaagg catccccctn aanaacatta agcacctggc 240
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catgtttaca tcctactgat cttcaaaaag ttgcagaaat gattcgagaa gaangatatg 540
attctgtttt ctctgttgtg agaccntcn gtttcgatgg gagtgaatt cagaaangaa 600
ttcgtgaagt gaccnaacct ct 622

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<210> 2908

<211> 475

<212> DNA

<213> Homo sapiens

<400> 2908

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ggatgtttaa tggggatgtg gagattcatt gtactgtttc tatattttg tggatgttga 60
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gcatctttag tagagatggg gttttaccat gttggccagg ctggtatcga actcctgacc 300
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ccggccgaaa aatatattta aaaaagtang aaacacacaa gacangcagc ttggacttat 420
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<210> 2909

<211> 746

<212> DNA

<213> Homo sapiens

<400> 2909

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cacatttttg ccatggaact tgggggtctt gctttgttgc tcaggatgga gtacagtggg  180
gcaatcttgt ctactgcag catcgacctc tggggcttaa gccatccttg cacttcagcc  240
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cccacaaaaa catgctgact ttagaanaat ccatgattta gaatattttt ataaatatct  540
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tccttggaaa atccagtttt tatganaaan gtgatttccc aaatctctta cactttacaa  660
tttcaatttt ggcctganca tatctctccn attgatctac ctactacata ctgatcintc  720
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<210> 2910

<211> 801

<212> DNA

<213> Homo sapiens

<400> 2910

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ctgggattac aagtgccac caccagcccc agctnathtt ttgtattttt agtagagaca  180

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gggtttcacc atgttggcca ggctggctc aaactcctga ctttgtgatt tgcctgactt 240
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 aaaaagttac ataaattgtg tttgattaat gcgtacttgg gtccttttaa atctaaaaat 660
 gtctctcatc ttttttaaaa aacattattt gttgaaaaaa aatgaattta ttccggttta 720
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 ttttctggt nactaatnng t 801

<210> 2911

<211> 730

<212> DNA

<213> Homo sapiens

<400> 2911

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 tatctaaatg ctgggatcat gcctaacca caactaaata tcaaagcact tttctttggc 420
 ctcttttcaa gaaaagtgat tcatatgtt tccacagctg aaggcctgct gaccagggt 480
 gataagatca ctgctgatgg acttcangaa gtgtttgana ccaatgtctt tggccatttt 540
 atcctggtaa anaagctgtg ggcttaataa gctaataatt cgtgtgataa tttctgtaaa 600
 gctctgggca canggcattt attatagttg aacaccngtt nactgaattt aatctcatgt 660

ttgaattttc cttgattgca ntttgcctt ggttttattgt naaacatgga atactttctgg 720
naaaccttcc 730

<210> 2912

<211> 528

<212> DNA

<213> Homo sapiens

<400> 2912

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gcggcccccac tgacatcatt cctcatgagg gaggaggcac aaacagttct gggccgacca 120
gaaaaaggac gactgggact tgactctgaa tcgcaggatt tgaagagatt tctcctggct 180
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tctgacgttt tcccagggat gtaatttgcc tgactggaaa cagatcagga ccaacagggg 420
agagttttcg atttagtgtg aggaaaagan cactanattg tagcaaaaga ccttattgct 480
caaggcccag tcagaanatt tcataaggga agctgtinnaa agtcttaa 528

<210> 2913

<211> 565

<212> DNA

<213> Homo sapiens

<400> 2913

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accacctgca gatattctagg gccaccctca ggaagggagc tggggagagg ctatcggaag 180
aaccctgca ggtcctggaa cccccctc aggagcaaat tgcactgctg gctcccagac 240

ccctccttgt cgggctcccg tacacagttg tcattcacta tgctggcaat ctttcggaga 300
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 catcaacaca atttgaaccc actgcagcta gaatggcctt tccctgcttt gatgaacctg 420
 ccttcaaagc aagtttctca atcaaaatta gaagagagcc aaggcaccta gccatctcca 480
 atatgccatt ggtgaaatct gtgactgttg ctgaaggact catanaanac cattttgatg 540
 tcnctgtgaa gatnancacc tatct 565

<210> 2914

<211> 773

<212> DNA

<213> Homo sapiens

<400> 2914

aagatgcaca agtaccttta accaaccata agaaatcaga aaagcaagat aaagttcagc 60
 acacagtatg tatggattgc agtagctaca gtacatactg ttatcgctgt gatgattttg 120
 tggttaatga caccaagctg ggactggtac agaaagtcag agaacactta cagaacttgg 180
 aaaactcagc tttcacagct gacaggcata agaaaagaaa acttttggaa aactcaacac 240
 taaacagcaa gttattaaaa gttaaaggaa gcaccactgc catttgtgcc acaggccttc 300
 ggaatttggg gaacacatgt ttcattgaatg ccattccttca gtcactcagt aacattgagc 360
 agttttgctg ttattttcaa gaactgcccg ccgtggagtt naggaatggg aaaacagcag 420
 gaaggcggac ataccacacc aggagccaag gggataacaa tgtgtctttg gtagaagagt 480
 ttagaaagac actctgtgct ttatggcaag gcanccagac tgcathtagc ccagagtcct 540
 tattttatgt tgtntggaan attatgccaa actttagggg ctatcaacag cagggacgcc 600
 catgaattcn tgcgctacct tttgggacca cctncacttg gaacttcngg ggcgggtttc 660
 acggtgtttc ccgctcanca attctgcagg aaaattctac tctgtctgcc aattaccaag 720
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<210> 2915

<211> 715

<212> DNA

<213> Homo sapiens

<400> 2915

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aagacgccgg gacaccctgg aagcctagaa atggacaacc tgaggtatgg agtgtatcct 180
gtcaaggggg caagtggata ccctggggct gagaggaatc ttctggagta ctcttatttt 240
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aagcanttct cctacctcag cctcccagat atctgggatt acgggcatat gccaccacac 600
ccagcttaat ttgtattttt antagaaaca nggtttctcc atgttggtca ggctagtctc 660
gatctcctga actcaggtna ttcaccacct cngcttccca aagtgccngg attac 715

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<210> 2916

<211> 654

<212> DNA

<213> Homo sapiens

<400> 2916

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accagaagca ttnaatgtta tcgtaaggct aattgaacaa gcccgaattc aaatgggana 60
agaggcagtg aggtgggcaa aactgggtcat acctttagt gttcattcag cacaaaaggt 120
acatttgccg ggagcaactg ctctggagat gggaatgcca ttattgcttc agaaacagca 180
agaaatagca tctattacgg agcagcttat gactactaaa ttaatctcag aacttcagaa 240
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acttgattt cgtagtggag cacccatgat taaaaagata gcttttattg cttggaagan 420
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 gttaatgcag cctttgagtt ccatccatgt tgagaacaga aactctagca ttaacaaaac 540
 tagaantctg gtggtattta ctgatganac ttggacctca tcttcctgct aattttgaac 600
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<210> 2917

<211> 675

<212> DNA

<213> Homo sapiens

<400> 2917

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 cccgggtccc cggcagcggg gtangatggc gctaaagcgg atccanaagg aattaaccga 120
 cttgcagagg gatcctcctg cccagtgttc tgcangacct gtcggtgatg acttgttcca 180
 ctggcaggcc accatcatgg gcccgaatga cagtccttac caaggangtg ttttcttcct 240
 gaccatccac tttcctacag attaccggtt caagccccca aaggttgctt tcacaaccaa 300
 aatttatcac cctaatatca acagcaatgg cagcatctgc cttgatatcc tgcggtctca 360
 gtggtctcca gcgttgactg tgtcaaaagt tctcttgctc atctgctcgc tgctctgcga 420
 cccaacccc gatgacccc tgggtgccaga aatagcacac acctacnagg ccgacagaga 480
 gaagtacaac agactagcaa ganaatggac acaaaaatat gctatgtaag tgccttggaa 540
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<210> 2918

<211> 708

<212> DNA

<213> Homo sapiens

<400> 2918

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ggtagaataa acgtgggacc cggagtgcac caaggtgaga aaaaaaaaaat tactaaaaat 120
gacaagtaga anacttgagg agtccatggg ggctgttcan atgggattgg tcaatatgtt 180
caaaggattt caaagcaagg ttttgccacc cctgagtcca aagggtggtta cagaanaaga 240
agtaaaccga atgcttacac cctcagagtt cctgaaggaa atgtccctga ccaccgagca 300
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ggaaacaaca catcagaagt tttcaggaat tgacctggat caggcattat tccagccctt 420
tccatcagaa attatatattc agaactacac tccctgtgaa gtctatgaag ttccactgat 480
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ctttaagta atcagcccca aagatatgg ccacaaagt gctcctggna gtgccttcca 600
tattccgaat cctctttact ccanaagaaa aacaaggatt acgcccatc cttnaacctt 660
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<210> 2919

<211> 707

<212> DNA

<213> Homo sapiens

<400> 2919

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acaagaagga cgaggagtct gtagtggct ccaatcctt ccagcatctg gagaagagt 60
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atattcttac aaagattctt tacttactga accagggtga acactttgga acaacggaag 180
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caagcagtct gactaaagac atgactggaa aagaagatgt ataccgaggc cggccatca 360
gagctctctg caggatcacc gatggaacna tgttgcaagc cattgaaaga tacatgaagc 420
aggccattgt ggataaagtt tccagtgtat ccagttcagc actggtatct tccctgcaca 480

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tgatgaagat nagctatgat gtggttaagc gctggatcaa tgaagcccaa gaagctgcat 540
 caagtataa tattatggtc cagtaccatg cattggggag tcctgtttcc cttagaaaga 600
 atgatcgact tgctgtttcc acatgttgaa taagtttact aaggtctggt cccaagtcac 660
 agtttgctta ctgcatgctg atccgaattg ccngtcnctt actnaaa 707

<210> 2920

<211> 634

<212> DNA

<213> Homo sapiens

<400> 2920

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 gggttccggg tggataanat tgtggaccag ctgcancagt taatgcaggt gtatgacttg 180
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 ctgcacaact tcctgagcgt cctgtttcag tgcatgccan tccctgtgat cctgaacttt 540
 gatgcggant gtcagangac taaccaggtt caagaanaaa atgaattctg cgtcagaanc 600
 tttttgcatt gcaagctgaa atccncegac tga 634

<210> 2921

<211> 551

<212> DNA

<213> Homo sapiens

<400> 2921

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 tggttgggag agagtagctg ttaactattc tgggtaatgg gggtgagtat gttgaggaag 180
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 aggacttttg atcatgcaag acctggccna gtcttctata atccanatgg gtttcctggg 480
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<210> 2922

<211> 494

<212> DNA

<213> Homo sapiens

<400> 2922

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 gtagcttccc tgcgggtggg ctggagtctg gcggccggcg tagggcgcg ccctgcaggg 180
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 gcctacgctt cgtccccttg tttcttgaac aaccgttagg gaccaggggt ncccctcagg 420
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<210> 2923

<211> 484

<212> DNA

<213> Homo sapiens

<400> 2923

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ggtctgttaa aaaaacgctt aacagccant ttgtggaaaa ctgcaanggg gttattcacg 420
gctgacactt cangaacaca agattgtgtg gaatcnaacc acccaccttt gggaatgatt 480
gctc 484

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<210> 2924

<211> 741

<212> DNA

<213> Homo sapiens

<400> 2924

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aaaaatctat gattcagctt ttcatcctga cactgggtgag aagatgattt tgataggaag 60
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ccangattct catggcagcc cctggcatgg ccatccctcc attcattatg aacacttttg 540

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aaaanaaagc ctttttgaan angttcccat gggatgaatg cccattcaa gttgggtag 600
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 cattgtctgt tacaancitg gaagccgaat tgcancitg atccaagaaa accctcctga 720
 attgngacnc tgttcttcca t 741

<210> 2925

<211> 774

<212> DNA

<213> Homo sapiens

<400> 2925

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 aaggttctta ntctcgacta gggcagtagc cccaggactc ctagtcgccg gcttcaggtc 180
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 aangaaccaa catccttttg gagccatgaa tattgtccga actccatctg ttgctcagat 540
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 tgttcattc cnggcaaatt ttggttctna aaattgggtt ttnaaaaaaa aaaa 774

<210> 2926

<211> 655

<212> DNA

<213> Homo sapiens

<400> 2926

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gcaaagactg ttgaaaccca tgtgccagga aaacttacct attgaagctg tttatcacag 420
atatatggta catttgctgg agttggctgt gactttcatt gagagattag aaaccacact 480
tgaaacaatt agaaatattc ctcatttagc tgcaaatcta aagaaaatga accaggcttt 540
ancaaagatg gatatatagg tgactgagac agaagaactg gcagaaaaat atnctccnag 600
tggcgttaac aacaaaaacg aaantttccg tcttgtttcc cccaaaatnt tanct 655
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<210> 2927

<211> 665

<212> DNA

<213> Homo sapiens

<400> 2927

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tttctggatg acatcaagaa gctacaggaa aacctcaaga agaccctgga caatgtggcc 180
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aagttcttca gcacagtgcg gaaggagatg gcgctgctgg ctacctcact gcctgagggc 480
atcatgggcc agacttttga agatagaatg gacctcttct cagctctcat caggggcccc 540
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actcgaaccc cctacgaaga tggcctctac ttgtttgaca tccagctccc caacatctac 600
ccagccgtgc cccccactt ctgctactct cccaatgcan tggncgcctg aanccccacc 660
tgttt 665

<210> 2928

<211> 513

<212> DNA

<213> Homo sapiens

<400> 2928

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tcttgtgaaa acagcgatgc cagcagtcac gcaaatgctg caaagcacac tcaggacagc 180
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ttgaggacta ccagcactct ggcctcttcg ctgcctggcc atgctgcaaa aacccttcct 420
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nccacccttg gggganggga nttctgacac ana 513

<210> 2929

<211> 668

<212> DNA

<213> Homo sapiens

<400> 2929

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gtcatcttgt ataaatanga naaatttatg gcagttttcc ctcttcttct ccctggtggg 120
ctactaggaa ggggtctaggg ggangaggga gcctgaaatt ccaaaaatat aaatgtggaa 180

agactggagg gggctcanga gtctctttgc ctgccttagc tctggcccca gctctccttt 240
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 ccctccttcc tggatttggc tatttttgta cttccctggt tgttgangca gcctgataca 480
 gcggggaana naactcgtcc tcgatttana aagattgaca ganaaactaa gtgtgtgacc 540
 ttaagcaagt catatcttgt ctccgggcct cacctgtaaa aaganggaag ggactgaatt 600
 tatcnngggt tttcaaatga ttttaactct ggggtccttc cttcaaataa aaccgtntgc 660
 nctgaccc 668

<210> 2930

<211> 837

<212> DNA

<213> Homo sapiens

<400> 2930

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 ttggaacaca cctgtgtcca ttctttcatg tattgtctat ggctgctgtc atgttacaac 180
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 aataatttat tggctcagtg attcccaaatt tatgttttat agaataataa tattctctaa 360
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 catgttttgt acccaaactc nttggcccat gggatctgtt gctgaaacaa aggaaatctt 780

aaacaaaaaa atngaaactt ccggttanca aaattggtgt ctgaatccaa ntgaten 837

<210> 2931

<211> 520

<212> DNA

<213> Homo sapiens

<400> 2931

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 aaatgaactt ggaccaactt aagcaaggaa aaagcgttca tgggaaggat gctgggatag 180
 ctcacaaaac caaaagaata nctgaacaat taattggcct tgggaagggt gggagctggg 240
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 attggttcta gtgggtcccc ttccactcaa gattcaaatt ccaagtgaaa gaacctggcc 360
 tggagctcag ggcttcatag agtgggaggg gggcantctt ccaaaagatg cggactcttg 420
 ccacatggaa tgggtgganta cggaagggtg gaaagggttt ggtangtnaa ccctgaanat 480
 gcttctaaca cacgtinctgt tctcccatct cacgtatgac 520

<210> 2932

<211> 876

<212> DNA

<213> Homo sapiens

<400> 2932

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 tacagatatg tttggccctg aaacatgtac atgatagaaa aattcttcat cgagacatta 120
 aatctcagaa catatittta actaaagatg gaacagtaca acttggagat tttggaattg 180
 ctagagttct taatagtact gtagagctgg ctggaacttg catagggacc ccatactact 240
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ggtgtgtcct ttatgagctg tgtacactta aacatgcttt tgaagctggc agtatgaaaa 360
 acctgggtact gaagataata tctggatctt ttccacctgt gtctttgcat tattcctatg 420
 atctccgcag ttigtgtgtc cagttattta aaagaaatcc tagggataga ccatcagtca 480
 actccatatt ggagaaaggt ttatagcca aacgcattga aaagtttctc tctcctcagc 540
 ttattgcaga agaattttgt ctaaaaacat tttcgaagtt tggatcacag cctataccag 600
 ctaaaaaacc agcttcanga caaaactcna tttctgttat gcctgctcaa aaaattacaa 660
 gcctgccgct aaatatggaa taccttttagc atattaagaa atatgganat taaaaaatta 720
 ccnaaaaag aaaccactgc caaaacntaa accnggcct ccaactccca aaaaaaaaaa 780
 ttgaattctg gganaaaaaa agggaggaaa atttctgaag naacccccca gaaaanaaaa 840
 aaggggggaa ntttttgaaa aagggaan aaaccc 876

<210> 2933

<211> 585

<212> DNA

<213> Homo sapiens

<400> 2933

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 ctctcttttg aactgacac ttggagcttg cagataagga agacaggggc tcagacagct 180
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 aacagggcc tttttccatg ccaggagcca cccgttgcca tgtcaacatg gcaggctaca 360
 gttcgagcag ctgcatcttt tgttgtttta atgagtgggg aaaattctgc caaaccaacg 420
 cagctttggg aagaatgctc aagctggtat tactatgtaa ctatgccaat gccagcctcc 480
 accttcacaa ttgcantggg atgctggacn gaaatnaana tggagacatg gtcctcaaat 540
 gatttgcaa cngagaaacc ttctcacctt ctgaagccaa cttca 585

<210> 2934

<211> 538

<212> DNA

<213> Homo sapiens

<400> 2934

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cgccaagtgc ccctcggtgg cggagtgcga aagaccctan cggttcacgc gttcggcgag 120
cggggccgct gcttggtgcg ctccctggctc tcccggggcg ggcgagatg ggcgccgctc 180
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cttgccggcg tcaccggcg ggacttcgct ttgggcatg accanataata attggtgatt 420
acaactttcc tctataaatt aactcttgac actccttggg atttgaanaa aaaaatgcct 480
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<210> 2935

<211> 610

<212> DNA

<213> Homo sapiens

<400> 2935

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taattctgac tcattaactt ctacctactc aaaaaagtct gccatgatga tggaccgaag 120
tgaggctttt taaccacaaa gtaacctttt ttttttttg agacagtctt gctctgtctg 180
tcaccaggcg tggagtacag tggcatgac ttggctcact gcagcctcga ctccctgggc 240
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gcctggctat tttttgttg agctgggctc tcgctttgtt gccaggctg gtcttgaact 360
cctcggtca agcaatcctt cccactcagc ctccctgtagt gtcganaata taggcgtggg 420
ctactacacc tgcttcagcc gcttctataa aaccgctgac ctgtgtgttg angacagcca 480

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ngtgtgtgct cactgcgctg cgaaaatgtt ttgtcacgtg actttcccg gatttccatt 540
tctttttttc tgcttccctc cnaaactaat anaaanactg ggtgcggggg ctacagcctc 600
taatcncanc 610

<210> 2936

<211> 783

<212> DNA

<213> Homo sapiens

<400> 2936

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attggtggga atcacacccc aagtaatgaa agacttgatt gttcatttcc aagataaaaa 120
attaatggaa aatgtggaag cgctcattgt acatatggat atcaccagcc tagatattca 180
gcaggtagtt ctcatgtgtt gggaaaatcg ttatatgat gctatgatct atgtctacaa 240
cagaggcatg aatgaattta ttagtccaat ggagaaactt ttcagagtca ttgctcctcc 300
tctgaatgca ggaaaaacac taacagatga acaagttgtt atgggcaata agctccttgt 360
atatattagc tgttgtctag caggtcgtgc ctatcccctt ggtgacatcc ctgaagatct 420
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ttctcctgaa ggaaaaaatc tacccttaca ttccgacttt gctacatttt gacacaagan 540
aatttctcaa tgtnttggca ctgacttttg aagattttta aaatgacaag caagctgtgg 600
gaatatccac agccgaattg tggatatattt gttgaaagtt atgggtggan aattcagact 660
ttacccctc acaagtinga tgtctcttta ccttccttgn tccgcagctt gcaaaacctg 720
acaacacctt gtttgttaaa canaaacctt ttgatccng gtccntgaaa tcccttgntg 780
tcc 783

<210> 2937

<211> 720

<212> DNA

<213> Homo sapiens

<400> 2937

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aagactacca taagtcagtg gaggtttttc ccttaaaggc aagaaaatct atggaaagag 120
aaggctacga gtcctcgggc aatgatgact acaggggtag ttacaacacc gtgctctcac 180
agcctttatt tgaaaagcag gacagagaag gtccagcctc cacgggaagc aaactcacca 240
ttcaggaaca tctgtacccc gcgccttcat cacctgagaa agaacagctg ctggaccgca 300
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cccagcccct gtcttcccag gccatctctc ancancacct gcaggatgcg ggcacccggg 660
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<210> 2938

<211> 544

<212> DNA

<213> Homo sapiens

<400> 2938

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aaaaatggag attctccagg gacccttccg tatctgccta ggcatTTtgc tgtctcctcc 60
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ggggattcct aaggatgtca ccacagtgtt ggccagatgc acaggtcaca ggggactgaa 180
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ttgggangcc gaggcgggcg gatcacctga ggtcggggagc tcgagaccac cctgatcaaa 420
acaganaaac cccatctcta ctgaaaatac aaaattagcc aggcgtggtg gcaaatgcct 480

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gtnataccan ctactcagga nctgaggcag gaaaattgct tgaacccggg angtggangc 540
tgca 544

<210> 2939

<211> 821

<212> DNA

<213> Homo sapiens

<400> 2939

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tggaacagtt ttcatttctc ttggatacac actagcagtg gaattgctgg gtcatacagt 120
aactctatgt tactTTTTga agaaatgcca gacagttttc caaagtggct gcaccatttt 180
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cgggtcttan catgttggcc aagctggctt tgaactcctg aactcaggtg atccaccac 660
cttggccttt ccaaantgtt gggattacag gcatnaacca ctgccccggg tggggttatg 720
tttttatatt gaattgtagg aatactttaa tcnttttaac taaaaattct ttatcctttn 780
agcttaccan ctncattnat ttggcaaaaa tttcctcccc a 821

<210> 2940

<211> 768

<212> DNA

<213> Homo sapiens

<400> 2940

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tttgcatttt gcacttcctc ccangatatt tttttgggcc aaatatnaaa tattggtgca 720
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<210> 2941

<211> 678

<212> DNA

<213> Homo sapiens

<400> 2941

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acagcatgac agaagtactc cttcaaagca gctgtgtcta gaaagaagaa ctggaaaagt 540
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<210> 2942

<211> 609

<212> DNA

<213> Homo sapiens

<400> 2942

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 acaagcactt ccgtcatgca gaaaaccca tcatcctctc aaaacctcca ncanaacggt 540
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 aacccatcn 609

<210> 2943

<211> 648

<212> DNA

<213> Homo sapiens

<400> 2943

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 gccaaccaag ctttcgtgta catagtaccg ggaagccagg aggaggaccc agtaggtatg 240
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 gcagcttcaa aactgtatga ggtggctatt gatggggaaa gaanaagact tgggggtcccc 600
 actggananc taacatctaa nattttaagc agtattaaan tcttgaa 648

<210> 2944

<211> 528

<212> DNA

<213> Homo sapiens

<400> 2944

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 ttctcagtct tcagaaacgg accaagaaaa tgagcgagag caaagccctg aaaagcccag 180
 gaggttgtaaat aaactgagca gagagaaagc tgacaaagag ggaatagcga aaaaccgcct 240
 ggaactcatg ccttgcggtg ttttgactcg agtgaaagag aaagaggga aggtcnttga 300
 ccacactcct gtggaaaagt tgaaagccaa gcttgataat gacactgtca aatcttctgc 360
 cctggaccag aaacttcagg tctctcagac ggagcctgca aaatctgact tgtctaaact 420
 ggaatcagtt agaatgaaag tnccaaagga aaaggggctt tcaagccatg ttgaagtgg 480
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<210> 2945

<211> 679

<212> DNA

<213> Homo sapiens

<400> 2945

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cgtgttttca cagcccacac tcgtgccga agccccttac cccgcccgg gctgtgggtct  180
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ccactaacia ccagttccaa attctgtcat caaatcctgt gctgctgttc ctggtggtaa  300
tanatgcata ttatttcttt tatttaaag aaatgaatgt gactantatt gcattaagan  360
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aacaagtgtt tgaacagtgg ctccttactg atctgaagga tttggaacat cctcttttac  540
ccgatggcnt tttaaaaatt ccaaaggaa aaattaaatg gattttatgc tctgcnaatt  600
aatccttgg ttgatgttag tcacctgat actcccaaa attcngaant tgaaaaggaa  660
agaattccnc cnatgatct                                     679

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<210> 2946

<211> 528

<212> DNA

<213> Homo sapiens

<400> 2946

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gcggtacctc ggtaccccaa gggctgttga aggcagcgag gaagancggc cagttaaacc  180
tgtcgggtag aaacctcagt gaagtgccgc antgtgtctg gagaataaat gtggatatcc  240
ctgaggaagc taatcaaaat ctttcgtttg gtgctactga aagatggtgg gagcagacan  300

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atttgaccaa actaatgntn tcaaacaata aacttcagtc acttacagat gacctgcgac 360
tcttgccctgc actgactgtt cttgatatac atgataatca gttgacatcc cticcttctg 420
ctataagaga gctanaaaat cttcagaaac ttaatgtcng ccataataaa ctgaaaatac 480
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<210> 2947

<211> 745

<212> DNA

<213> Homo sapiens

<400> 2947

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caagctttca catctggaaa ttatgatgcc tgtctacaac accttgcctg tctacaagat 420
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tcngctgttg aaagaaatgg atggattaga tgatgttgaa aacagcatgt tgttctataa 600
tcaagnagt cattctttat catctgcggc agtatacana agccatatcn gttggtgaaa 660
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ctttgttaaa cctgttntnt tttta 745

<210> 2948

<211> 565

<212> DNA

<213> Homo sapiens

<400> 2948

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a t t c c c g g g a	g g g g g g a g c g	g c g t t g g a g g	c c a c c g t t t c	c a g c a t c a a c	a a c a g c a a c t	120
t g t g a t t g g c	g g t g a c c g g a	t a t t c a g t t g	c a c a t c c c c a	c a t c a a t g c a	c t g c c a a t g g	180
g t t a t a t c c t	g t g t t g t g a c	c t c a t g g t t t	a a g t g g g a a t	a a g a t g a g t	a t a a g c a g t g	240
a t g a a g t c a a	c t t c t t g g t a	t a t a g a t a c t	t g c a a g a g t c	a g g a t t t t c t	c a t t c a g c a t	300
t t a c c t t t g g	t a t a g a a a g c	c a t a t c a g t c	a g t c c a a t a t	a a a t g g t g c c	c t c g t c c c a c	360
c c g c t g c a t t	g a t t t c t a t c	a t c c a g a a a g	g t c t a c a g c a	t g t a g a a g c a	g a a g t t a g t a	420
t t a a t g a g g a	t g g t a c c t t g	t t t g a t g g t c	g a c c a a t a g a	a t c t c t g t c c	c t g a t a a a t g	480
c c g t a a t g c c	t g a t t t a g t t	c a a a c a a g a c	a a c a a g c t t a	t a a a g a t a a c	t t g c a c a g c a	540
a c a g g c a n c a	n c t g c t g c a n	c t g c c				565

<210> 2949

<211> 559

<212> DNA

<213> Homo sapiens

<400> 2949

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c a a t g t g a a a	a g c t c c c a g t	t t a a g t t a g a	a a c t g c t g a a	a a g g a a a a c c	a g a t a t t g g g	120
g a t a a c a t t a	c g t c a g c g t g	a t g c t g a g g t	g a c t c g a c t a	a g a g a a t t a a	c c a g a a c t t t	180
a c a g a c t a g c	a t g g c a a a g c	t t c t c t c c g a	t c t t a g t g t g	g a c a g t g c t c	g c t g c a a g c c	240
t g g g a a t a a c	c t t a c c a a a t	c a c t c t t g a a	c a t t c a t g a t	a a a c a a c t t c	a a c a t g a c c c	300
a g c t c c t g c t	c a c a c t t c c a	t a a t g a g c t a	t c t n a a t a a g	t t a g a a a c a a	a t t a c a g t t t	360
t a c a c a t t c a	g a g c c a c t t t	c t a c a a t t a a	a a a t g a g g a a	a c c a t a g a g c	c n g a c a a a a c	420
c t a t g a a a a t	g t t c t g t c c t	c c a g a n g c c c	t c a a a a t a t t	a a c a c t a g g g	g c a t g g a g g a	480
a a g c a t c t g c	c c c t g g a a t t	a t t t c t g c c c	t t t c n a a n c n	g g a t t c t g a t	g a a g g g a g t g	540
a a c t a t g g c t	t t a n t a n a a					559

<210> 2950

<211> 557

<212> DNA

<213> Homo sapiens

<400> 2950

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tccctaaaga agtggctgac atctttaacg cccccagtga tgataaagag tttgttggtc  180
tccgagatga tgttcccatg gaaaccctct cgtcagagga gagctgcgat agttttgact  240
cactagagtc agggaaacag caggatgtgc gctttcattc caaatacttc acagaagagc  300
taagaagaat ttttatagag gacactgact cagagactga ggattttgca ggatttacgc  360
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atgatggcaa agcatctttg gtgagcgagg aagaggaaga tgaagaagaa gatgggctgc  480
ccctagaaga agcgggtctag aagaagtagt atggtcttcg agtaccttcc ttcccncca  540
naactggcca cnaacca                                     557

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<210> 2951

<211> 557

<212> DNA

<213> Homo sapiens

<400> 2951

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actgagggtg gtggagcagg tagatggaaa gaatctcttc ccaaagacaa gccgcagaac   60
gcatcccttc cccagcccct gtgttaggcc gtgaggcatc ttctgccag cctgcaccag  120
ggctttcagg ttttgttgct tagcacatcc agggatcatg acttcaggac aagccacctg  180
atgcccctcg gccccccagt cctgcagcct cgctggagct ctccctgcag caggaagggc  240
tgaggccaac cacaaagggg cttggggcca catcaaggga tggcagaacg agagggaagt  300

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gcagggagcc tggcccaaaa aaccaaccct gccgccgcct cctggaaggg gcacacctcc 360
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 aatgtgtggc ctctgccaga cccaggtggc tccaggtggt ttgactccca tttcctctcc 480
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 aaagaaaatn tgccnca 557

<210> 2952

<211> 710

<212> DNA

<213> Homo sapiens

<400> 2952

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 tggattatct taacaacact gatctcttca aagcagagag catgtttaca aatgcagtac 180
 agattcttga acagttcaag gtgaaaatga ctcagaagaa agaagttact ttaccatttt 240
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 ntcttgcatg gaaaggattg tcctattatc acacatatga cagattcttt ttgggcgtca 420
 atgttggtat tggttttgtg ggatggatat cttatgcctc ttattgatc atcaagtctc 480
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 ggacatatta tgtatatggt ttgttgccnc tgcccatatg gtttgcngtt ctaaaaaaat 660
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<210> 2953

<211> 519

<212> DNA

<213> Homo sapiens

<400> 2953

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tccctggcac ctctcctttg gagccacctt gtccctggct agacagtcac attttccagt 180
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agtggctgat gcctgaagcg cgctccaang aacanatnct ggaactgctg gtgctggaac 480
anttcctggg catcctgcct gataangtcc ggcctgggt 519
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<210> 2954

<211> 684

<212> DNA

<213> Homo sapiens

<400> 2954

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gttggctggt cccatgtgtg aaagggacct ctcggggaaa ccaaggccca ncccctcccc 660
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cctcccccaa gtncctanaaa acca

684

<210> 2955

<211> 780

<212> DNA

<213> Homo sapiens

<400> 2955

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<210> 2956

<211> 659

<212> DNA

<213> Homo sapiens

<400> 2956

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<210> 2957

<211> 659

<212> DNA

<213> Homo sapiens

<400> 2957

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<210> 2958

<211> 593

<212> DNA

<213> Homo sapiens

<400> 2958

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tggagtggtc gcccaatctg gatggaaaag atggtaatgt gcagagtgaag agttccacac 180
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aaaggcctct ttgcgaagg aatgcagtgt aaagattgca aattcaactg ccataaacgc 300
tgtgcatcaa aagtaccaag agactgcctt ggagagggtta ctttcaatgg agaaccttcc 360
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ttggatccat ctgatctcga tgtggnaga gatgaagaag ccgttnaaac aatcagtgca 540
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<210> 2959

<211> 510

<212> DNA

<213> Homo sapiens

<400> 2959

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ggactatggt accaatctct ccactgacct gtcgctgaac aaagagatgg gctctctgtc 420
catcaaggac ccgaaactgt tcnaaanaac cctcaagcgg acacgcaa at ttgtggtgga 480
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<210> 2960

<211> 626

<212> DNA

<213> Homo sapiens

<400> 2960

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ttgtgtttgg agacatcagg gtgaacgaaa agtcagagta caggatgaag acatggagac 540
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cncgagcagt gatnangatn aagaaa 626

<210> 2961

<211> 516

<212> DNA

<213> Homo sapiens

<400> 2961

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<210> 2962

<211> 581

<212> DNA

<213> Homo sapiens

<400> 2962

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 aagagcaaga agaagttgag agtttaaaaa gtattcgga atatttgact tctaactgtg 240
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<210> 2963

<211> 740

<212> DNA

<213> Homo sapiens

<400> 2963

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<210> 2964

<211> 464

<212> DNA

<213> Homo sapiens

<400> 2964

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gccggtcccc actgatggtg gcggtcggtc ctgatcgtcc tgatggcagc gaccaagctg 360

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gactcgggct gtgcacgggc gaagggacaa ggcgggggtga ccccggaata cgcctggaaa 420
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<210> 2965

<211> 735

<212> DNA

<213> Homo sapiens

<400> 2965

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ccagttaggt cttcttatga agagttttca tccaggggat ataactcctt ggtcagtgat 180
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cactaaaggt cagttgtttt aatttgaaac ctgaaatgcc tctttagcaa aagcctgtgg 360
tatggggtna agccatgtaa gaaganaata gtctcagtca catatgaaga ggaaaatttg 420
cagctgccag tgctttcctt gtggccctgc caaccagctc ttccaggacg aactcagtcc 480
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cagttaattt tagtagctga anaacgtcta gttgtttgct tgatatttgt gaacatttac 600
tgcattgatc acaaaacaat ataccctggg ntttcttaac cncacttat atgcnaagg 660
gagtaaatgt gttactaaaa ttcgggtagt gcattttgtc cctgaatctg aacctggaaa 720
aatgttacnt taant 735

<210> 2966

<211> 682

<212> DNA

<213> Homo sapiens

<400> 2966

gggaattacc gactctaagt gaaggtcact gacacagaga agcagtatgt gtctggggct 60
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 atgaggaaga ccaggtttcc agtgtaaact actcttggtc ccaccacctc tggagcactc 180
 aggagcccc atacagtact tacaatgtct ttaatggact tgattctggt taattttttg 240
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 catcacagtg atttttattc cctgggaaca cagcgtgtac taaaaataca tgagaaaata 480
 gcatgtatat gaaagctatt ctcaaaagtc acctgagctc accatcttca tagccaaccc 540
 taccagttat aaagatggca gctctatcac ttgattaagt gggangtggt caaatattct 600
 gggcgcctca ttttcttcat ctgtganatg ggaactgtta tgcctggctt actaanaatc 660
 ttgtngagan actgaaaaat tt 682

<210> 2967

<211> 640

<212> DNA

<213> Homo sapiens

<400> 2967

gatgtcatct taaaaatcta aaatataaca tggcacataa agccaaaaaa aaattttttt 60
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 cactgcaacc ttaacctcct gggttcgggc gattctcctg tctcagcctc ccgagtagct 180
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 ttaagaaaca cccgattcag taacaatagc tcttaattta gtttatatca ttaaattgttt 420
 tgatcttcat ccttgtttta ggaaacacaa aaaagcntgc acaaanaggc ttataatttt 480
 tatataattt aaaatatattc ttcatttaaa cagaaatgtt ctactctcn ncttttcatg 540
 tgtncatact taccatttct gtgggtgtgt gcataaaatg ttingcatcat ttgatcaatt 600

ttctgttggt gccttgtttt atatcantct tcctcnntta

640

<210> 2968

<211> 604

<212> DNA

<213> Homo sapiens

<400> 2968

gcaagatttg ttgcaatgaa atatattaaa tccaattcta aaaattcttc tcatcatttt 60
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 gcacgtngca gatttttaca aattttgcaa agacaagatt gtgttaccca aaaatatcag 180
 gaaaatgcac aattatcagt taagcaggtn cgaaacttga gatctgaatg tataggattg 240
 gaaaaccaa taaagaaaat ggaaccctat gatgaccaca gtaatatgga agaaaaaatt 300
 caaaaggttc ggtctttgtg ggcttcagtg aatgaaacgc tcatgttttt ggaaaaagag 360
 agagaagttg ttagttcggc ccttagtctt gttaaccnat atgctttaga tggaactaat 420
 gttgctatta atattccaag gctcttactt gacaaaattg agaaacaaat gtttcanttg 480
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 aatgaaatct tgaaagtgat gaaatatgaa cgttgtcngc tgatctagcc agattgacng 600
 tnga 604

<210> 2969

<211> 618

<212> DNA

<213> Homo sapiens

<400> 2969

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 ctcttcctt ggagaagaga tgagagaaga tggcttagc ccaaataaaa gcaaactttg 180

tactgaatct gaagggatca gcccgaataa ctctgcctgg aatgggcccc agctctcttc 240
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 tacgtctgtn ttctctcgga tctcagacca ttcagagact cctaataatgg agttatcctg 360
 cagaaatggg gggtcacaca agtcaagttg tgaaatgaga tctctgggtg tttccacctc 420
 atcaaacaaa caggatgttc ttaacaagga ttctgggaag atgaaaggcc atgagagaag 480
 actaggccaa gtctttcctg ttctacnaac taagaccagg actaatgttc cgacgttttc 540
 acagtccaat ctagaacagc anaagcagct ttatctcagg gagtctcatt gctcatatng 600
 aaanacccng aagacnct 618

<210> 2970

<211> 489

<212> DNA

<213> Homo sapiens

<400> 2970

tatgaactct ctggagattc tgatctagac ctgcttggtg attgtagaaa tcccagactg 60
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 gatggctatg agtcgtcgtt gaacttccac aacaacaacc aagaggactg gggctgctct 180
 agctgggttc caggcatgga gacgancctc cctcccgggc actggactgc tgcggtaaag 240
 aaagaagaga agtgtgtgcc gccttacgtc caaatccgag atctccacgg gatcctcagg 300
 acttacgcca acttctctat nacnaaagaa ctctnaagata ccatgagaac ttcacacggc 360
 ctgaggaggc acccgagttt cagtgcaaac tgtggcctgc ccagctcctg gacaagcact 420
 tggcaggtgg canacgacct ctcccanaac acttttagacc tggagtatct gcgtttttgca 480
 catnaacta 489

<210> 2971

<211> 571

<212> DNA

<213> Homo sapiens

<400> 2971

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 ttattggatg gtcaataaaa ctggccgcat gttacagtac aaagcagacg gaattcatcg 120
 aaagcatcca cctaattata aaaagccagt tctcttttct tttcagccaa atcacttttt 180
 taataacaat aaggttcaac ttatggtaac tgatagttag tttgtccaatc agttttcaat 240
 tgatactggt ggtagtcatg aagctgttaa atgtaaaggc ctgaaaatgg actatcaagt 300
 tgggtgtcact atagacctga gcagttttta cattactaga attgtgacat ttaccctttt 360
 ttatatnatt aaaaacaaaa gcaaatacca tatatcagtg gctgaagaan gaaatgataa 420
 atggctctct cttgatttgg agcagtgtat ccccttttgg cctgagtatg cttctagtaa 480
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 ggaaaattgt attctattgc gtctaaatna c 571

<210> 2972

<211> 493

<212> DNA

<213> Homo sapiens

<400> 2972

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 ctgtgagctg ttgaaagtgg agatgcctac aagactgcca gaccggtcag tggcctggcc 120
 ttgccctgac agacatctcc gggagaaacc ttccttagaa aaggtcactt tccagattgg 180
 aagctttgca tctccagagt ctgactttga aagccgcatg aaaaaaatgg aggaacgggt 240
 gaaggcctgt ggccccctct tggaggccag tgaggctgct gatgtggctc aggacccgca 300
 ggtttctagg agccctttta aacctggctt tcaggagaat gtttgctgtc ctgagaatcg 360
 gctttcagag ggggatgaag gcgagtctga caagggtttt gcagaagaca gaagcagcag 420
 aaacgacatg gcancanata ttgctgggcn gctcagccac gctgctgact tgggcacagc 480
 ctcccacggt gca 493

<210> 2973

<211> 754

<212> DNA

<213> Homo sapiens

<400> 2973

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cacagctaac atggcggcgc cctgtgtgtc ctacggcgga gcagtttcgt accggcttct 60
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gttgcaaaca aatgtcagat cccagatatt aaggctaaga catactgcat ttgtaatacc 180
aaagaaaaac gttcctacct caaaacgtga aacttacaca gaggatttta ttaaaaagca 240
gattgaagag ttcaacatag gaaagagaca ttagccaac atgatgggag aagatccaga 300
aactttcact caagaagata ttgacagagc tattgcttac cttttcccaa gtggtttgtt 360
tganaaacga gccaggccag taatgaagca tcctgaacag atttttccaa gacaaagagc 420
aatccagtgg gganaagatg gccgtccatt tcactatctc ttctatactg gcaaacagtc 480
atactattca ttaatgatta ccagctttac ttcccgatca cacaggacag anaacagctg 540
atgttccttt tccactttgt tgaccggctg ggaaagcacg acgtgacctg cacantctca 600
ngggggcggg aagtcnccca ngctggaaca atacgactgg caatggccaa agccttgtgc 660
actttgtccc cccaagacaa agtccaattg gatnaaaaca agctgggact acttactact 720
gatccncttt ttttaaggga cggnaaaaaa cccn 754

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<210> 2974

<211> 577

<212> DNA

<213> Homo sapiens

<400> 2974

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ggagaagtta gagtccttag aaaaaaatat ggccattctt gatccaccag atgctgacca 60
cttatacagt gcaaaggtaa tgctgatggc tagccctagt atggaagatt tatatcataa 120
gtcatgtgct cttgctgagg acccacaaga acttcgagat ggattccaac atcctgctag 180

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acttgtaag ttttagtg gcatgaaagg caaggatgaa gctatggcca ttggaggcca 240
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 tgctattcgt tgttgtaagg ctctgacagg cattgatcta agtgtgtgca cacaatggta 360
 ccgttttgca gagattcgct accatcgccc tgaggagacc cacaaggggc gtacagtcc 420
 agctcatgtg gagacagtgg tttattttt cccggatgtt tggcattgcc ttcccacccg 480
 ctcagagtgg gaaaccctct cccgaggata caagcagcag ctggtcgana ancttcaggg 540
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<210> 2975

<211> 903

<212> DNA

<213> Homo sapiens

<400> 2975

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 cttcaaatga attgagaggg cttaatgaga aaatgagtaa taaatgttcc atgttaagta 180
 cagctgaaga tgacataaga cagaatttta cacagctacc tctacataaa aacaaacagg 240
 aatgcattct tgacatttcc gaacacacat taagtgaana tgacttagaa gaactanggg 300
 tagatcacta taaatgtaac atacaggcat ctgtacatgt ttctgatttc agtacagata 360
 atagtggatc tcaacaaaaa cagaagtcag atactgtgct tttccagca aaggatctca 420
 aggaaaagga ccttcattca atatttactc atgattctgg tctgataaca ataaacagtt 480
 cacaagagca cctaactgtt caggcnaagg ctccattcca tactcctcct gaggaacca 540
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 aaataatatt agggacgaaa tagaaaagaa aatctggaac caaatgctga atttgataaa 660
 agaactgaat ttattncccc agaagaaaac ngaatttggt ttcaccggta cagtctttac 720
 tanactgttt cagactagtg gaaaaaaaaat cngaattttt gggtttcnca agctaccag 780
 aaaaagaatt ggtatatgcc atgtttttta natattgggg aaaaagaaaa attcnaata 840
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aaa

903

<210> 2976

<211> 746

<212> DNA

<213> Homo sapiens

<400> 2976

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ggatgccgag cccaggccgg ttccggcgaa gttaaaccct cggagctggc ctcggactgc   60
tggggcgtta ccccttcggc ccccccgct gaccatggca gtgtttcatg acgaggtgga  120
aatcgaggac ttccaatatg acgaggactc ggagacgtat ttctatccct gcccatgtgg  180
agataacttc tccatcacca aggatcagtt tgtgtgtgga gaaacagtcc cagccccctc  240
agccaacaaa gaattagtta aatgctgaag aagccttcag gaatccaaat cctgaacatt  300
tggaatgagc ccagatagaa atatcgaatg caaagctact ggcttcacag agacaaccat  360
ttatgatttg ctgttctgta agagtgtgga ttctttctat caactgctga tatcatcttc  420
aggaagcaag tccataacat gacatatctg gattttgtgc ttagaacctt aaattggaag  480
cattcttaat tatgcatcta aatttaaaag aagataattt caaaacagtg ctttctttcc  540
cttggtttca tcattttcat atcttaaacc aaattacttc ngatatctgac aacagcatca  600
tctacctcag tcattangat ttcttaataa aaaagaaatt gtatttttga cttggttatt  660
aanattatta anattagccc ttcctttgaa atatgacatc agctttgctg ttctaaattt  720
aaaattantt gcttcacng tancac                                     746
    
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<210> 2977

<211> 474

<212> DNA

<213> Homo sapiens

<400> 2977

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atatataggg tcttatatgt ttcttaataa attgatccca ttactttata gtcacagctc   60
    
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ctattagaag ttttaatgaa gactctccat gagcttaggc ttcaaattac ttgttttggga 120
 aaaggtcatc ttgtccttta taaactgtaa attcatatat tatttagctt taatatgcaa 180
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 ttggagcgca ttctttggtt attttcatta gcattaagtc cttattcttt ataggtggat 300
 ttaattcttg aaaatattca aaagtaattc agagtctagg tgttggggat ggagagaaaag 360
 gaggaacaga gaggaaaaaa attagcattt gttgagtgtt gacgatttgt agancatttt 420
 gacaagcact taatatacat cntcattcat tttgatcctc ttaattncct tgca 474

<210> 2978

<211> 715

<212> DNA

<213> Homo sapiens

<400> 2978

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 aataaagttt ctttattcaa aagcactttt tttttaaaagc cacaccaccc ccattctcag 180
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 gccgggatcg cggaaagtga tggctgtcgt cccggcgtct ctctcaggac aggacgtggg 300
 atcatttgca tatcttacia ttaaagacag aataccacag atcttaacta aggttattga 360
 tacattgcat cgacataaaa gtgaattttt tgagaaacac ggagaggaag gcgttgaagc 420
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 tcaacagaat cttttaaatg aaagtgatgg aaaatcaaga tggttctact caccgtggtt 600
 gttggtaaaa tgttacatgt tntcgaaaaa ttcataaag caattatcca gantccacca 660
 atcgaatact ttgatgtttt tnaagaatcc naaanaacca aattctatgg gtcca 715

<210> 2979

<211> 671

<212> DNA

<213> Homo sapiens

<400> 2979

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ggtggctggt tctgcgccgg atccgggaga ggggcgggcg ccattgtgct tcgctgccga 60
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gaatggagtc taaaccttca aggattccaa gaagaatttc tgttcaacct tccagctcct 180
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cgcagaacca gcaacgggat catgattcaa aaagacctaa actttcctgt acaaactgta 420
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tgagagagaa gagagatttg gagagaagaa canattcctc tattagtaat cttatggatt 600
atagtccccc gaanttgggtg atttcacaac ttentcctta tgtttcaana cagaattccc 660
ttentattcc c 671

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<210> 2980

<211> 508

<212> DNA

<213> Homo sapiens

<400> 2980

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cctttgcgcg gcacctggcg gtggcgggag ccgttgggct gagtcgggat cggggacgtc 60
gcccagagagc ggggacgagg aggtgtcggg cgcgggttcg agcccgggtgt cgggcggcgt 120
gaacttgttc gccaacgacg gcagcttcct ggagctgttc aagcggaaga tggaggagga 180
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cgccgctggc cccggggatc cgaanaggaa gggcgggtccg ggctccacac ttagcttcgt 300
gggcaaacgc agaggcggga acaaactagc cctcaagacg ggaatagtag ccaagaagca 360

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gaagacggag gatgaggtat taacaagtaa aggtgacgcg tgggccaaagt acatggcaga 420
 agtgaaaaag tacnaagctc accagtgcgg tgacgatnat naaactcggc ccctggtgaa 480
 atgacgcccc tccccacct gcccatgg 508

<210> 2981

<211> 464

<212> DNA

<213> Homo sapiens

<400> 2981

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 gcggctccag ctccgggacg acnaccacga cnactaccac gacgggaggg atcctgatcg 180
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 cgatggcnac ggggcaggtg ttgtttcatc nttttttcta ctccaaatct ttcgtcgnac 420
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<210> 2982

<211> 497

<212> DNA

<213> Homo sapiens

<400> 2982

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 caaagacctg gagttccac tacctgcacc gctctggcca atcccatttg gaaatcagtc 180
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gcgtgtgcaa ttctgttgca ncctcacaac caacaagcag ccgtgttccg acggctctgc 300
 gggaanccca gagggactcc cgcggctcaa acgggggcag atacgtgcag ggccccgggg 360
 aacgtgaagg tgagagacag aacataccgt gaagaaacca ctgagaatgg gagacagang 420
 caggaacagg gatgacactg gangacagca ngcctgcctg gangccanca ttctctacaa 480
 ccttccacaa accaaca 497

<210> 2983

<211> 896

<212> DNA

<213> Homo sapiens

<400> 2983

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 atgtataaat aacaaatggt tatatttaac taaatgtaag gtacgaatta ttacatatta 180
 aacttttctt ccccttccta gttctgaagt agatatatat atatatatat ctactgtcac 240
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 atgttgaana tcttcacgtt tcattctgct aaaccanana tatgttccag ctggtgttac 720
 taatttttcc agcttaatcc ctgagtggtt tattattttac ataacaataa ctttttatca 780
 gttacatttt atttttatgt aaacctgggc caaaacaaaa ttattttatg ttaaaatgnt 840
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<210> 2984

<211> 745

<212> DNA

<213> Homo sapiens

<400> 2984

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ccttccagta tgggggcat agagacatcg gggacctggg atatttgttt tgtgcagaga  180
tctcctgcct gctgtcacca tgagaaacag tggagtggag tggatggatg gcctgacttg  240
aagaaagggc cctggaaagt tttctacttt gctattttga aattttttcc cttcttatag  300
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gtcggaaaga gtccgctttt ccatgtgagg ctgcagagc tgaaagggga gctacgtcca  420
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tcactcttgt tgcccaggct ggagtgcaat ggttcaatct ccgctcactg caacctccgc  540
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caccaccact cccgggtaat ttttgttttt ttttaataaaa aacagggttt ccctcctgtt  660
tttccaaaac tggctctcaa accccctgat gtttgggtta accgcagac cctcgggcct  720
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<210> 2985

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2985

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acagcctcat ccttgagcac cagtgggagc tggagaagct ggagctccta catgaggtgg  180
aaaaaaccgc ccactttttg ctgctgcgtg agagacttgg tgacagcatc ccaaattccc  240

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<210> 2986

<211> 746

<212> DNA

<213> Homo sapiens

<400> 2986

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 aatagacatg ttcattgtna agatgacttt gtacgttctg tttctgaaac acagaatata 420
 gaatcccaga agattcactc ctctagactg agtgatataa ctagctctaa tatgcaaata 480
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 tttacacaa atttgtttca gttggggcca taaatgtncg gctgtgttgg atttggtttg 660
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<210> 2987

<211> 646

<212> DNA

<213> Homo sapiens

<400> 2987

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cccattgtgc tgggcagacn acaaaaagct ttggggaaga accgcagtgc tgatttcaac 180
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gttcgaaaga aaaggaaaac agaggataaa gaagccnagt ctgggaagtt ggaaaaggag 360
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gaaggctcag aagatgaagc ctcggagact gactactcat cagctgatga gaacatcctc 480
accaaagcag atacactcca agtanaggat cggaagaaga agaagaagaa aggaccggga 540
agcagganga ttttttgaag atgcntctca ntacgatgaa aacctctcgt tccaggacat 600
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<210> 2988

<211> 766

<212> DNA

<213> Homo sapiens

<400> 2988

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aaaccctgtc ttactaaaa atacaaaaac tagccgggcg tggcggcgcg cgcctgtnac 180
ccatgctact cggaaggctg aggcaggaga atcgcttgaa cccgggaggc ggaggttgca 240
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aaaaaataag gaagctcaag atgaanagtc agaagtggta acttgtttgt tgcacaagaa 360
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 atttctgcat taantatatt aataaaactt taccactaaa aacaattctg ttagangaac 480
 gccagga aaaatatttg agtttttaga gaagtcattt tttaaacttt tagaggttgt 540
 gacatttaan ttacataatt ttatttanta cctagtatgc aaagacattg ttctggggca 600
 tggcancaaa taaaagctt ttgtnaatcg cantgtcccc tcttattaac cccgcattcc 660
 tancaggttg gttttttttt gctggaccgc accacantcc gggttacacc aaaaaatatt 720
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<210> 2989

<211> 527

<212> DNA

<213> Homo sapiens

<400> 2989

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 tggaaagcgg tttcaggatt ctgaatttag cagttctcan ggtgaagatg aaaagacctc 120
 ccagacttca cttacagctt caataaaca attggagtct actgcacgcc catcagagag 180
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 tgaaaaggaa tctgaattag agcctatgaa tggtagatn atggacgatt ctcttaagac 360
 ctcacttatn acagaagagg aagactccac tngtgaagtt ttagatgaag aattaaaatt 420
 gcagcctttt aattccagtg aagactctac naatcttggt ccactgggtg tngaattctc 480
 aaaacccct ngaggttgat ncaccagatt agacccacg tntacct 527

<210> 2990

<211> 704

<212> DNA

<213> Homo sapiens

<400> 2990

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ggacctgcag ctgccccga gtcagagggc gcagtccgca ttcaaagagc aaagaagaca  180
aaaactcaag gaacatctgt tgagaagaaa aacgcttttt gcatacaagc aggaaaatga  240
gatgttatcc agtagagatc agagagttgt gacatctgag gaccaagtgc aagaaggagc  300
taaagtgctg aaacttaaaa caaaaatggc tgataaagaa aacatgaaga gacctgcaga  360
gagcaaaaat aatacagtgg tggggaaaca ttgtattcct ttaaaacctt caaatgaact  420
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tttgttacta actgaagatg atccccaaag tcaacatatg acattaagcc aggcatattca  540
ccttaaaaac tatagttaaa agaaacanat gactacngaa aaacaaaagc aagatgctta  600
catgcccag aaacctgtgc ttggatctta tcgtgggcca gattgttcca tctaagatta  660
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<210> 2991

<211> 663

<212> DNA

<213> Homo sapiens

<400> 2991

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agccaacacc gcctttctca gcatgggaga cctttgagcc catcagccaa gagccccctca   60
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cagaactgca acgtgcagag agcctccaag agaagagcat aaaagaggcc aagaccaaatt  180
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tgtttaagaa acggcggcag agagccaaga agtacaccct ggtgagcttc ggggctgctg  300
ctgggacagg cgctgaggan gaggacggcg ttccccccnc gagtgagtcc gagctggacg  360
aanaagcctt ctctgacgcc cgcagcctca ccaatcaatc tgactgggac agtcctatc  420
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ganggcagct gagtgaggtc tctgggcgaa ggggtgcagct ctttgaacag cancgcccgc 540
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<210> 2992

<211> 818

<212> DNA

<213> Homo sapiens

<400> 2992

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 cctggggaaa attgtgactt tgtataactg ttgttgaaac cagaataaat tatatttcac 480
 ttgcatatgc ataaattatt aaaattttca gaagtcagtg atacagaagt actattttgc 540
 aatgttaatc tgtttgagtc tttgganaaa gtggtttcat tgtaggtac atagtgcact 600
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 aaatgactgg gatgaattat aaaggaatta tgtttgtcat gttgcccttt aaccagctt 720
 tagtaattac tataatctca tatttatgaa tanttcctgt taggttacag gaacaaatga 780
 aaaatatttt atgttttccn cnnccctttt aaatttaa 818

<210> 2993

<211> 630

<212> DNA

<213> Homo sapiens

<400> 2993

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gctgctaaag aggacatttg cactgatgcc atgcgtgaga actggatcag cctcagatat 180
gcaagtggca taaatgtcaa cctgcagaag aatttaaccc ttcccaaaaa cttactgaat 240
aaagaagaaa acacactgaa aaacacaatt gttttcagta atccttcttc agaatgtant 300
atgaaggagg gagtacagac atgtatgttt cctaaggaaa ctgacattaa aacttcagag 360
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tgaaaacat ttaccaagaa actcacctca gtaccaccag ccagacttgc cagaaaattt 480
ccaggaaaaa tnatgggaat aaccagcaag ttctgtcna gaatgaagta aatcattgtg 540
aaaatttgaa gaaaggtgga ccnaagcctt ctccgaaaa gaagattccc naacctctgn 600
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<210> 2994

<211> 523

<212> DNA

<213> Homo sapiens

<400> 2994

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gaaggcgccg tgccgagctg ggactgagga cgaagaggag gaggaggagg ggcggaggga 180
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aggagtctgg gaggaagttg gttgtgctaa actctggaat gaatggtgta gaacaacaga 420
cactacacat ctgtcctcca cagaggcttt ttgtgtgttt tatcatctaa aatccaatcc 480
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ctcggttttt ctctgtcggg gcanttncta tgttcanaaa atc

523

<210> 2995

<211> 728

<212> DNA

<213> Homo sapiens

<400> 2995

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tgtctcaatc taccactggg catctcagtt tgccncagaa gcagtaccca gaatctcctc 660
ncccgatccc acatcgttcc ttttctctcc cgcaaaaaac ccttgccgct ccncggggtt 720
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<210> 2996

<211> 461

<212> DNA

<213> Homo sapiens

<400> 2996

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 aactgtngca aagaaccaca gactgggcga cttagacnat a 461

<210> 2997

<211> 675

<212> DNA

<213> Homo sapiens

<400> 2997

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 gtgtgttccc tgaaggcaaa gaatccccag gataagatcg tcttcaccaa ggctgaggac 180
 aatttgttag ctttaggact gaagcatttt gaaggaactg agtttcctaa tcctctaate 240
 agcaagtacc ttctaacctg caaaactgcc caccaactga cagtgagaat caagaacctc 300
 aacatgaaca gagctcctga caacatcatt aaattttata agaagaccaa acagctgcc 360
 gtcctaggaa aatgctgtga agagatccag ccacatcagt ggaagccacc tatagagaga 420
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<210> 2998

<211> 702

<212> DNA

<213> Homo sapiens

<400> 2998

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<210> 2999

<211> 605

<212> DNA

<213> Homo sapiens

<400> 2999

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cacgcttatg gtgccatgac gccgaaacta gtntccccc atctccagca taggcaacgg 420
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 cctga 605

<210> 3000

<211> 642

<212> DNA

<213> Homo sapiens

<400> 3000

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<210> 3001

<211> 579

<212> DNA

<213> Homo sapiens

<400> 3001

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cagatttgca	gcttactgtg	ccnaaagtgg	actggctgcc	ggggcccntc	aaatgccctc	540
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<210> 3002

<211> 784

<212> DNA

<213> Homo sapiens

<400> 3002

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ttgaaaacca gttccccctt gtcttttttg tcncccnagg antggaattc cattggcnca 720
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<210> 3003

<211> 579

<212> DNA

<213> Homo sapiens

<400> 3003

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<210> 3004

<211> 698

<212> DNA

<213> Homo sapiens

<400> 3004

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catttggtca ttgggaatta ctgctattga actagccaag ggagagccac ctaactccga 180
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 tcctgaatgg agctttacca ccgtacgaaa gaacctgac caaagaaagt acagaatggg 540
 gcagagcaag atcttggtcc aaccctgagt tgtttgtcta tgataatcac cctgcatttg 600
 ctgaacttaa accgcaggac aagaataacg ctngcaggaa tcaggcgatt gaagaactcc 660
 aaaaaaattt tgctgtggct gaancncct gtccccgc 698

<210> 3005

<211> 756

<212> DNA

<213> Homo sapiens

<400> 3005

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 gcatcacata ttcataattgt tcaataatgt cctttcattt gtttctgatt gttttcatcc 180
 tgatactgta gttcactgta naaatgtggc tgctgaaact catttgattg tcatttttat 240
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 atgcttttgc caacacatct tgtaacttaa tatactagat gttaagggtg ttaatgtaca 360
 aaaaaaaac ccttatactc acctgcgttt tcatttgttt gacatttgtc tattattgga 420
 tttcattatc atatgaactt gtcagtggga aacaaactgt ctaaaaattt ttctcttacg 480
 tttacatac aatcatgtga aatttangca ganttcgata aattactggc aaaaacaaaa 540
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 gtaaaatccc aagtcatttc ttttttact ctattcagca acagaattaa gtggatgaag 660
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naaattccnc ctggntaaan tctttcccn aataca

756

<210> 3006

<211> 706

<212> DNA

<213> Homo sapiens

<400> 3006

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tgtggctatg tggccggaac aaagtgacaa atggcctaca gctgtgagag caaatggaca 180
tctcctcctg aactctgaga agatgtcaaa atccacaggc aacttcctca ctttgaccca 240
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cagcactttc aatgatagag tttttgccag tgaattgaat gcnggaatta taaaaacaga 480
tcaaactatg aaaagatgat gtttaaagaa gctttgaaaa cagggttttt tgaatttcag 540
gccgcaaaaa ataantaccg tgaaattggc tgtggaaggg atgcacanaa aacttgtgtt 600
ccggtttatt gaanttcaaa cacttctcct cctccattc tgtccacatt tgtgtnaaca 660
catctggacn ccctgggaaa acccgaccna ttatgaatgc tcntgg 706

<210> 3007

<211> 665

<212> DNA

<213> Homo sapiens

<400> 3007

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acatgaatac atgagtatgg aattattgca agaagctggt gtctccgttc ccaaaggata 180
 tgtggcaaag tcaccagatg aagcttatgc aattgccaaa aaattagggt caaaagatgt 240
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 gctgctgaga ctctgaagc aataattaaa gaacctattg atattgaaga aagcatcaaa 600
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 canca 665

<210> 3008

<211> 497

<212> DNA

<213> Homo sapiens

<400> 3008

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 agcctggtga agcccaggag agagaggcac ttcggggcgc agtcctaaat ggcggccctc 420
 ccagcacgcg catcacacct gaattctcta aatgggccag tgatgaaatg ccatccncca 480
 acnntggtga aagcagc 497

<210> 3009

<211> 495

<212> DNA

<213> Homo sapiens

<400> 3009

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gttttcttgg aggctttttt ggtccaattt gtgagatcga tattgttctt aatgatgggg 120
aaaccaggaa aatggcagaa atgaaaactg aagatggcaa agtagaaaaa cactatctct 180
tctatgacgg agaatccgtt tcaggaaagg taaacctagc ctttaagcaa cctggaaaga 240
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tcggtgccaa tgtccgcttg aggtattttc ttaaagtgc aatgntgaga agactgacag 480
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<210> 3010

<211> 612

<212> DNA

<213> Homo sapiens

<400> 3010

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aacggactaa tacagtaaat tgggtaccagc agagtggggc attgctgaaa agataactga 180
aaatgtggaa gcgactttgg cactgggtaa caggcagaga ttggaacagt ttgaagagct 240
cagaagaana caggaaaatg tgggaaagtt tggaacttcc tagagacttg ttgaatgcct 300
ttgacaaaaa tgctgattgc gacatggaca ataaaatgca ggctgagatg gtctcagatg 360
gagatgagga actttctgga aactggagta aaggtgattc ttgctatgtt ttagcaaaaa 420
gactagcgtc attttacctc tgccctagag atttgtggaa ctttgagaaa gatgatttag 480
ggtacctcgc anaanaaatt tctaagcagc aaagcattcc agaagtgagt tggatactgt 540

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taagggcant cagttttaaa agggaaacag agcatntaaa ttcanaaaat ttgttancct 600
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<210> 3011

<211> 473

<212> DNA

<213> Homo sapiens

<400> 3011

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tgctctgggt gccgctgctc aagctgccct cgtcagagtc cagcaagggt cccttgccag 180
tctcaccggt ccactcgttg ctggaggaat tcttcaggac ttttaaagac ctggatgaag 240
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ttgcctcaaa gcttgtgtaa gatttaacat taagatttta ttttatgata tgacttcagt 360
tagcaactat cctggtaatt aggcaaaaat gtagcttctg aaaacatgga catttttgac 420
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<210> 3012

<211> 727

<212> DNA

<213> Homo sapiens

<400> 3012

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ctccagttaa gacttgagat gtccacagtg gcagccacta gcttgactgc aacttacgag 180
agaccctgag ccagaggcac tcagttaagt catacacagt ttcctgacct gtaaaacctg 240
tgacacaatg aaggtttgtt gttttggggg taatccgtta ttcagcaata gataacgaat 300

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 tnattacnat ttaaacagga tattgtanag ctccatcata gggattaaca ctnattagaa 540
 ttaaagaacg tttttgtgaa tgtcagcttt tttttttta aataaacact cntcccttga 600
 taatgttttt ctttttcata aaattaaaaa aaaaatgtgg gttgtantan gtgtatatat 660
 ttatgttggg acatgaaaat nttttgatac agggcntgac gtgttntaac cccctcctgg 720
 gaaaaat 727

<210> 3013

<211> 539

<212> DNA

<213> Homo sapiens

<400> 3013

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 ggttgccatt aggggactcc tgaggtccta tctccaggct gcggtgactg cactttccct 180
 ggagtggaag ctgctggaag gcggaccggc cgccatgtcc acgttcaggc aggaagacgt 240
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 gtcattcanc cggcgtgggg tgagccggga ngaaatcgag cgggaagtga acatcctgcg 420
 ggagatccgg caccccaaca tcattaccct gcacgacatc ttccanaaca agacggacgt 480
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<210> 3014

<211> 383

<212> DNA

<213> Homo sapiens

<400> 3014

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gaccctatta tttaaaaatg gctcaactga aatatatgga gaatgtgggg tatgccaag 180
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tgattggctc tatcttggat ttatggcaat gcttcctctg gttttacatg ggtcctccat 300
ngaattgtac tcggggaaaa aagattccag cgcacttttc caacacatca ctgcattatt 360
tgaattgcnc atnggcacct ata 383
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<210> 3015

<211> 767

<212> DNA

<213> Homo sapiens

<400> 3015

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tgccttagaa cataatttta gtgccatcta tggatgattg actttaccag taaaccacat 180
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gttggtcgtg gatagaatta tttatattat tactgtaatg gttgattgca ttgacttctc 420
accatataat attaaatatc agcccaaagt taaatcacca cagagacctt cagattggtc 480
caaaaagaan aatgagcccc tagggaaatt gacttcttta tttaaactta ttgtgaaagt 540
gatctattct ttccacacac tgagcttcaa gggaagcaca ttctgatncc ctcttccta 600
ttggcaactc natccccggc attatttccc gtgttcttgg gcatatttct tttgccttct 660
atgatccgaa aaatatttgc aactttaacn agacctctgg ctttttttat gaaaactcca 720
agcttgatna aattcccaaa gtttnttgtt ttctgaaaca cnanttt 767
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<210> 3016

<211> 585

<212> DNA

<213> Homo sapiens

<400> 3016

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gactcaccct gggccggggg tgaggcttgg actgtttctt tttccaaaag aggagctcaa 60
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tacaggggat cagtgtcatt caaggatgtg actgtggact tcaccagga ggagtggcag 180
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aaaaaagcta tggacccaaa aanttttccc aagttacagc tacctagaag aagatgggaa 360
aactgaanat gtcttagtga agttcaaaga ataccaagac aggcattcta gaccctcat 420
attcatcaac cacaaaaaac taattaagga gagaagtaat atttatggta aaacatttac 480
tctaggcaag aaccgtatta caatactatg ttaatatnaa cctgatggaa aagttttgaa 540
aaatatttca gaactagtcn ttagaaatat aagcccccta aaana 585

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<210> 3017

<211> 755

<212> DNA

<213> Homo sapiens

<400> 3017

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attatgatgg aagattaaag tgtggtgaca tgattgtggc cgtaaattggg ctgtcaaccg 60
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tgaccgttat ttgttggcct ggcagccttg tatagatttt ggaaattggt ttcaaattctt 180
gcatcttcct ttttttagatt ttgaaagaa aacccttttg ttccattgtg tttgtggttt 240
aggagctgct gacactgctg gtatacacag ggccaaaacc cactaagatt gtccgtttat 300

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gtttatTTaa atggtttcct aagttagtta cttttctttt agcttgGaaa cagtcttcca 360
 ctaacctttg tgagtttata ttttcagaat tcagacttag ttgttaaaat gttacctatg 420
 gtaatgagca aagctcaccc aaactgtgcc ccanatggag taaagacctt ctggtgggtc 480
 tttgttttca gtaactgaat catanaacga attctgtatc cctcaggcct gatgtcagca 540
 aagccagtaa caacagcgtg tactgccact gtcataacca ataccatgaa atgaatatac 600
 tttaaatTTT ggtgataact gttccccatt tttttttgaa ccacagtctc actctcaccc 660
 angctggaat gcantggcac aatctcanct cactgcaanc tccgcctcct ggggttcacg 720
 ccattctccc acctcancct ccccaattac ttgga 755

<210> 3018

<211> 469

<212> DNA

<213> Homo sapiens

<400> 3018

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 gtttttttct taatgtaaca tttcaaggag cactatatat atacacacat atatatacac 180
 cttggcttat gactgaaata atggagcaaa ttattaaata cagacagact tgagagataa 240
 ctgaaaatta aaagaactcc tctgagagaa aaaaaaatat gacactgtta tgatgtttaa 300
 taaagttgca tgatcatttt tcacatatct acttgaggct aaaatacatt tgcatcactt 360
 atgttttaca aatatntttc ttttaagggt aatatccccc catcccnaaa cagatnctag 420
 gatnaaaatt ccctaagaaa cacttattgg accctgaatt ttaaaaatt 469

<210> 3019

<211> 439

<212> DNA

<213> Homo sapiens

<400> 3019

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agtcgtggct gcagcgctga ggcgagaggt tgggtgggtgt ctccggccat aatgacccag 60
gctgagaagg gtgatacga gaacggaaag gagaagggcg gcgagaagga gaaggagcag 120
cgcggcgtga agcgggccat cgtgcccgcg ctgggtcccg agtcgctgca agagcaaadc 180
cagagcaact tcatcattgt catacatcca ggttcaacaa ctttaaggat tggtcgagcc 240
acagacactc ttcctgccag cattcctcac gtcattgccc gaagacacaa acaacaaggg 300
cagcccctat acaaggacag ttggctccta agggagggac taaataaacc agaaagtant 360
tgaaccaaag acaaattggc cttaaantgg tggatcaagc aatatggtct aaaaagatgt 420
ccattgttac aagacgcnt 439

```

<210> 3020

<211> 803

<212> DNA

<213> Homo sapiens

<400> 3020

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ttgttggttg aaatgtaagt cttttcctaa agttttaatc agaggtagcc atcactaaga 60
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cttgtattat actaattatc ttcattatta acgatcatat tagagccact gacatgtccc 180
aaattatatt aaaataaaaa cctgcattgc tctgacatga agtcaattc aatgtaataa 240
acaaattagg tattaacgt tataatttaa aaaacttcta cgatatacc agaaatcctg 300
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ttttcctgc tatgattttg aaggcgaata catagagcac agttcagtaa aagagttcca 420
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ctgtcccaa gaacttggct cgagatggga ttaccgaat tacaatgcng ttttccactg 720
gttactcaa ctgatcttat ctcatcntg ttactactg tgcccntnga accccaaaag 780

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tggaatattt tgtctcntta ttt

803

<210> 3021

<211> 639

<212> DNA

<213> Homo sapiens

<400> 3021

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acagaaacaa gtggtacagg caacagctga acagatgcgt ctcgctcaag tgatctttga	180
taagaatgat tcagattttg aagctaaagt taagcagctt atggaagtga cagggaacaa	240
tcaggatgaa tgcatagtgg ccctacatga ttgtaatgga gatgtgaaca aagctatcaa	300
tatattgctg gaagggaatt cagacacaac ttcatgggag actgtagggt gtaagaaaaa	360
gaattttgca aaagaaaatt cagaaaacaa agagaataga gagaagaana gcgagaaaga	420
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atttagaggt gaaaaaaatg gaattgattg caatcaagtg gacnaacctt cagatcgtgg	540
caagcgagcc cgggggttnaa gatttggacn tggcanaagg anaagggcag gaaggttctc	600
aaccaaggc atggggacat ttaatcctgc anactattc	639

<210> 3022

<211> 585

<212> DNA

<213> Homo sapiens

<400> 3022

ttcaaaggga gacagacttt ctcaagtgtg cccactgcct tgccccccgg ccatcanatc	60
cctttgctcg cttctgtcaa gaatgtggct ctctgtccc acccatattt ggctgtcgtc	120
tcccaccccc agaaggagct cagatgggct tgtgtgcaga atgcanaagc ttggtaccca	180

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 gtggtcncctg gaatctctgg gaagcgtcct tctgcggctg gtgtggaacc atgctcggca 480
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<210> 3023

<211> 464

<212> DNA

<213> Homo sapiens

<400> 3023

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 gaagtgtgct gcncactgg aatgaaatct attactttgt ggaacagttg gctcacnaat 360
 tcatcaaccc acagttgaaa atgtccttta ttgttttctc caccccaaga acaaccttta 420
 tgaanctgac ggaanacaga aaaccantcc ctcnngcct anaa 464

<210> 3024

<211> 840

<212> DNA

<213> Homo sapiens

<400> 3024

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 cctttcacct tctgttgctt ctccaagtcc caaagaagtc aattttgttt caaggggagc 180
 ttcaagtcac cagcccagag ttccactttt tcctgaaaat ggtttacacc agcagccaga 240
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 tggggttcaa aggtttcgag atactctaaa aataccctac aagctggaat taaaaaatga 480
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 atgtcacaga acagcacttc ttaaccanc tccagganc cggaaatatt atctttaact 720
 cctgccccgg atggcttttg ggaaaaaaaa attgcttcct catgaatgaa cagggtttct 780
 actacacttn nccggaaaaa aatgggtggg nnttanttgt ttacaaaatg aataatttcc 840

<210> 3025

<211> 622

<212> DNA

<213> Homo sapiens

<400> 3025

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caacttagtg gaaaactcag ggaggtcaag ttgagcccag aagggcanaa agttgatcat 540
tgtgcaccca tggaaanaaa cttctactct tctgtcanga ngacgggaag gtcatttgct 600
ggctttgtga gcggtctcan ga 622

<210> 3026

<211> 631

<212> DNA

<213> Homo sapiens

<400> 3026

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cgttgggagc gggagtgcag aacgtggtcg tggcggcggc ggtgagaaga gcgaggcgga 120
ggaggggggtg ccatggccgg gcagcagttc cagtacgatg acagtgggaa caccttcttc 180
tacttctca cctccttcgt ggggctcatc gtgatcccgg cgacatacta cctctggccc 240
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atagttctgc ttgcaggatg ggcatgttgc ttattccttg catataaagt ttccagaaca 420
gaccgagaat accaagaata ccaccccttat gaagtattaa atttggatcc tggagccaca 480
gtagcacaaa ttaaaaaaca atatcgtttg ctgtcactta aatatcatcc agataaagga 540
ggtgatgagg ttatgtcatg aggatacaaa acttatnctg ctttaaccga tnaaaatccc 600
gaaaaatttg gaaaattgga atccaatngg c 631

<210> 3027

<211> 491

<212> DNA

<213> Homo sapiens

<400> 3027

gctcagctgg tagtttgacc tccgttggtg caatgccaga natgggattg tcagccacca 60

cactgccacc accctgcaca cagtctgggt cccctccgaaa gaagcacgcc aaccttaaca 120
 tcccctacag catcttgggtg cttcacacac catttaggag gccaccctaa cgaggcaaga 180
 ngacatgggg gtgtgcanaa nttctgttct tagtgagaat ggctggcctg agaatccagc 240
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 gtacctccac tctgggcagg ganggcctgt ctgtgactcg ctctggaccc cacttcccgc 360
 tctggccaag ggctgtcttc tgtgcacata gctcaaganc ctgcagcant tccctgtatg 420
 ggtggatgtc ctcaggggcc aanaaaaaa naatggggac aacagaaacc tgctttgtag 480
 gggattatgt t 491

<210> 3028

<211> 711

<212> DNA

<213> Homo sapiens

<400> 3028

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 ttccactggc caggattttc ctacatagtc agaacttaca cattactaga ggacacacca 180
 ccaaggagta ttgtgtctac ttttatctgt gcaccagcca caaatacca cattggaaag 240
 acccatttgt gatgggtaaa catcccttcc tgtctccac aaccctgtg actgccctgc 300
 atgtgttcat gacctccgaa ggcccaaatt catgaagcag caaaccagc aaatctccac 360
 cccctgcct caggacctct gctgaagang gggatgaagt gggtctccan ggaagcantg 420
 ggggccttgt tggcaactct gcantggga agggcaccgt ccggaagaaa cagnctcta 480
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 cggatttatt tttcccaatc cagaagnaca gtgatanatg cnttttcccc aggctgtctc 600
 aaaaaggctc ctcaatgtnt actgttgtca aaattgctga aatctcccc cccttttgggt 660
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<210> 3029

<211> 666

<212> DNA

<213> Homo sapiens

<400> 3029

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aagccgagca ctgtataaat gacatcgcat ttaagcctga tggaactcaa ctgatttttg 180
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cttgttcctc cagtgacttt gggttgtggt ctccctgaaca gaantctgtc tccaaacaca 480
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acagaaagtt tccttctacc agctgaatgg aaaacagatt ggaaaggatc gggcacagaa 600
ctttgaccct gctgcatcan ctactttact aaangcnaat tcnttttgct ggggggtcaa 660
acaanc 666
```

<210> 3030

<211> 669

<212> DNA

<213> Homo sapiens

<400> 3030

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tattccaaca gtcatgagta caaacaggcc gtccatgagc ttgtgcgttg cgtagcactg 60
acaagaattt gctatggaga ctacattgg aaactagcag aggcacatgt taatctggct 120
caaggctacc tccagctgaa aggactgtca ctgcaagcaa aacaacatgc agaaaaagcc 180
agacaaatcc tcgccaactc cattgtgcct ccctatagtg agaatacaga tgttttcaag 240
ttttccattg agcttttcca taccatgggc agagctttac tctcccttca aaagtatcct 300
```

tttgcctcta acttttataa atagaaatac tattcacgta acacttacac gccaaagtaaa 360
aagctgatgc tgatggatga cttaggaagt gtgattggaa gtatgggagc caaggaagtt 420
caggacatgg ggtgtagaat ctagaaccaa gtggaaaatt tcctgaacac aattcagatt 480
taaggaagct gcagagaatt tgacaaaagc agagagactt tcaaaggagc tgctacaatg 540
tggaagaatt atgaaggaag aatggataga aattgaagca cggatcagat tatcatttgc 600
acaggtgtat caaggtcaga agaagtcaaa agaactttgt ccnctntcc ancactttgg 660
gaatatgtt 669

<210> 3031

<211> 568

<212> DNA

<213> Homo sapiens

<400> 3031

agatttgaag gcggcgcgcg gactaagtgc gcacttcagt tctcggagag aagagcggga 60
gtggacctgg tcagccctac cccactgacc ccaccggacc caggcgcggc ctccgccaca 120
gccacagccc ctgcccctgc tgcggcgcgcg cgaggcgagg cgatggccaa ggtgtcgggtg 180
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actgatgccg tgggtgtgac tgtgttcctc atcacctgca cctaccatgg acaggaattc 480
ctcccagtg gctactacgt ctaccacgag ttacttccac cctgaactgc gtttagaaac 540
cccgccccat naaacccnna tttctccc 568

<210> 3032

<211> 671

<212> DNA

<213> Homo sapiens

<400> 3032

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gcgatgccgc ttcctccacg ccgcccctga cgcgcttccc gggagtcgcc atctacctgg 180
tcgagcctcg catgggtcgc agccgccggg ccttcctcac aggcctggcg cgctccaaag 240
gcttccgcgt ccttgacgcc tgcagctccg aagcgacaca tgttgtgatg gaagagacct 300
cagcagagga ggccgtcagc tggcaggagc gcaggatggc agctgctccc ccgggttgca 360
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tacctgtgga gtgccggcac cgcctggagg tggctgggcc aaggaagggg cctctgagcc 480
cagcatggat gcctgcctat gcctgccaac gccctacgcc cctcacacac cacaacactg 540
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gcctcctcaa cttctgcaaa ncaacctcng tgctcaaagg ctttcagcc ctgtcacaan 660
cctgaagcaa n 671

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<210> 3033

<211> 366

<212> DNA

<213> Homo sapiens

<400> 3033

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aaaaagggag agaggacaag ggtgacaagt gggggtgaga gatcaaagat ggggcgggag 60
tgtgcctagg gttgtctctc catgagtgtc ctccctccct actcttcctg ttccaggtgt 120
agcgtcggac catgtggaag tttctgagcc tggggagccg gataatgggg ggtggggccc 180
gttggggggt aaaggggcaa tagcttcctt tcacaagcta acctccgctc ttcccagtc 240
tcttgactaa aatgggggaa cacattgggc ctggcaccaa tggggacttt gccccgccgg 300
agccccgcc gagaggaacc cctgcccac cctagggagc ttctatgagc tgcacctct 360
ntgcnc 366

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<210> 3034

<211> 495

<212> DNA

<213> Homo sapiens

<400> 3034

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ctggaatgag gagctgcaga cgacgagggg gctgcctcgc aagaacctgc ctgagcggct   60
gctccgagaa agggccatat tcaaggtgca cagcgacttc accgcggcag ccaccagggg  120
cgccatggcc gtcattgacg gcaacgtgat ggccatcaac cccagcgagg agaccaagat  180
gcagatgttc atctggaaca acatcttctt cagcctgggc ttcgacgtcc gagaccacta  240
caaggacttc gggggggacg tggcggccta cgtggcgccc accaacgacc tgaatggcgt  300
ccgcacgtac aacgcggtgg acgtggaggg gctgtacacn ctgggcacgg tgggtggtgga  360
ttaccgcggn taccgggtca cggcccagtc catcatcccc ggnatcctgn ancgggacca  420
ggagcagagc gtcattctacg gntccatcga cttcggcaag accgtggtgt cacacccgcg  480
gtacctggan ctgct                                     495

```

<210> 3035

<211> 395

<212> DNA

<213> Homo sapiens

<400> 3035

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taagtaacgt cagcctgaga actgagtagc tgtactgtgt ggcgccttat tctaggcact   60
tgttgggcag aatgtcacac ctgccgatga aactcctgcg taagaagatc gagaagcggg  120
acctcaaatt gcggcagcgg aacctaaagt ttcagggggc ctcaaattctg accctatcgg  180
aaactcaaaa tggagatgta tctgaagaaa caatgggaag tagaaagggt aaaaaatcaa  240
aacaaaagcc catgaatgtg ggcttatcag aaactcaaaa tggaggcatg tctcaagaag  300
cagtgggaaa tataaaagtt acaaagtcct cccagaaatc cactgtttta accaatggag  360
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*<210> 3036

<211> 568

<212> DNA

<213> Homo sapiens

<400> 3036

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ggggctggac tggcggagca ggtgggggtcc gcggccgccg gagcgttccg gtcggcgtct   60
gggcatctcg gcctcggcag aaagcgcgac cgccctgctg cgcgggggccc gcggcgatgc  120
cgttcctgca cggcttccgg aggatcatct tcgagtacca gccgctggtg gatgcgattc  180
tgggctccct ggggatccag gaccccgagc ggcaggagtc tctggaccgg cccagttatg  240
tcgccagcga ggagagccga atccttgttc tctactgagct gctggagagg aaagcccact  300
ctccctttta ccaggaaggc gtcagcaacg ccctgctcaa gatggctgag ctggggctga  360
cgcgggcggc cgacgttctc ttgcggcatg gggccaatct caactttgaa gaccagtc  420
cctactacac ggccttgca atcgccgtcc tgcggaacca gccggacatg gtggagctgc  480
tggtggcatc acggggccga cgtaatcgg agggaccgga tccacgagag tagccccttg  540
gacctggcca ncnagacct taacncct                                     568
    
```

<210> 3037

<211> 538

<212> DNA

<213> Homo sapiens

<400> 3037

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gtaagtccag agagtttagt gtccacacct agactggaat tgaaagacac cagcagaagt   60
gatgaaagtc caaaaccagg aaaattccaa agaactcgtg tccctcgagc tgaatctggt  120
gatagccttg gttctgaaga tcgtgatctt ctttacagca ttgatgcata tagatctcaa  180
agattcaaag aaacagaacg tccatcaata aagcaggtga ttgttcggaa ggaagatgtt  240
acttcaaaac tggatgaaaa aaataatgcc tttccttgtc aagttaatat caaacagaaa  300
    
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atgcaggaac tcaataacga aataaatatg caacagacag tgatctatca agctagccag 360
gctcttaact gctgtgttga tgaagaacat ggaaaagggt ccctagaaga actgaagcag 420
aaagacttct tctaattgca actgggaaga gaacactttt gattgatgaa ttgaataaat 480
tgaagaacga aggacctcng aggaagaata nggctagtcc cccnagtga tttatgcc 538

<210> 3038

<211> 483

<212> DNA

<213> Homo sapiens

<400> 3038

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ggggcttcct cgggtggcggg catggaggct tcgcgctgcc ggctcagtcc cagcggcgac 120
agtgtcttcc atgaagaaat gatgaatatg cgacaggcta ngctggatta tcagaggcta 180
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tgtcatactc cccacagcaa tgtcatctta catggtattg atggtccaac tgctgtcctg 360
aaaccagacg aagttcatgc tccatcagta ngctcctctg ttntggaaga agatnctgaa 420
aacaccgtgg atnctgcttc caagccagga cttcnggagc gtctccaaaa gcatgatatac 480
tct 483

<210> 3039

<211> 534

<212> DNA

<213> Homo sapiens

<400> 3039

gatgaatgcn naggaagaagc agcttggcaa attgttatta tcaaccctta ctttgctaag 60
caagaaaact gaactgttac aagattacc ttgaaatgtc taccacaaaa tgttggtttc 120

tataaaaagt ttggatatac tgtatctgaa gaaaactaca tgtgtcggan gtttctaaag 180
 taaaaatctt gtacgaaaat tgtcaaaggg gctaattgcta caangctaca ctcttcctaa 240
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 tgaatttaga ttacnaatga atattataaa ggggatgatt tttaaccnaa ggaatatatt 420
 tttaacttga atcttttcct gcattgtatt tttctaaaan tttggcttcc tttcttggtg 480
 atccanaatt tgggttataa nganttatat gtctgctatc tgtgttgctc nttt 534

<210> 3040

<211> 593

<212> DNA

<213> Homo sapiens

<400> 3040

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 gcttggttcc caccittaac ccttcacact ggggancgtc ctctaacaca ttcagactac 180
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 tttaacagct ggagcgatta aaaaaaagaa nccagccttc ctggtcccga ttgttccatt 480
 aagctttatc ctcccctacc antatgactt gggctatgga acccttttan aaagaatgaa 540
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<210> 3041

<211> 689

<212> DNA

<213> Homo sapiens

<400> 3041

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 caaagaggcg gtgcagactg cggctaagga actcctcaag ttcgtgaacc ggagtccttc 180
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 caaggagact gagaaatgga atattaagcc cgagagcaag tacttcatga ccaggaactc 300
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 ggagcagcaa ctggttgac gtggagcggc ccattcttcg catcccacaa cctgggcatc 600
 catcngcag cnanatatca acnaagaaat ttggggccaa cacagagatg catctaagtc 660
 ccaattcctt gccnaaaagc atccaagga 689

<210> 3042

<211> 657

<212> DNA

<213> Homo sapiens

<400> 3042

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 aagaaaacga gtcaggctac gagaggagac cactggaaat ggagcagcag caggcctatc 180
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gctttgcata cctgtggtca ggagcccgtg ccagctatgg ggtcagaang ggccgtgtat 540
gcttcgagat gaagatcaat gaggaatct ccgtgaagca cttccgtcta cagagcctga 600
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<210> 3043

<211> 526

<212> DNA

<213> Homo sapiens

<400> 3043

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gcacagtatg accggcagat ccgcctgttg ggactggagg ccagaaacg gctgcgggcc 180
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gagcgagctc agaatctcaa ccccatggtg gatgtgaagg tggacactga ggatatagag 420
aagaaaccag agtcatTTTT cactcaattc aatgctgtgt gtctgacttg ctgctccann 480
gatgtcatag ttnaagtgga ccagatctgt cacaaaaata gcatca 526

<210> 3044

<211> 510

<212> DNA

<213> Homo sapiens

<400> 3044

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acagangtgc ctgcttcccc ttctgccatg attggaagtt tcctgaggcc tccccagcca 120
tgtggaactg acaacttgcc ttgatgatt ttcaaganag ttgtgctatg atgtggcaaa 180

agtatgcagg aagcaggcgg tcaatgcctc tgggaacaag gatccttttc cacggtgtgt 240
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 ttgatgccna gttgaaaatt cctgtctctg gatccaaatc agaaggcctt ctctacntcc 480
 actcatccan aagtggcccc tttcnaaagt 510

<210> 3045

<211> 602

<212> DNA

<213> Homo sapiens

<400> 3045

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 ggctccaggg ccgaagcccc cggcgcccac tcgggggctg cgcctgcgcg ttggagaccg 180
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 ctgggagagt gaggcagcca tggaacgtgc tcgtcagcaa gtagcatctc tgattggagc 420
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 gggggtggcc cgattctaca ggtcacggaa aaagcacttg atcaccaccc agacagaaca 540
 cnaatttttc ttggactcct gccgttcct ggaaacttaa ggctttcang tccctnctc 600
 cc 602

<210> 3046

<211> 607

<212> DNA

<213> Homo sapiens

<400> 3046

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cgacctattc agagttggcc aggagcagca ggcaccacag cctgtgtgtg tgcagataca   180
gtgtactact accaaatggt gcccaggttg actgctgtac tgcagactgc aatggcagct   240
ggaagtttag gtctctcctt acctggatct cattacttgg gccgttttca ggatcgttta   300
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gatgcttttg aacaanaata cacaagagta tgttccctta atgaacactt tggaaatgtc   480
ttgacaccct gtactgtttt gcctgtgaaa ttgtattctg atgccaggaa tgttctatca   540
ggcataattg atctcatgaa aactttaaaa naatttaaag gtgaactcat taaantacnt   600
gtgtgga                                           607

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<210> 3047

<211> 495

<212> DNA

<213> Homo sapiens

<400> 3047

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gcgggggctg aggggctgcc atggcggcgg cgggccggct cccgagctcc tgggccctct   60
tctcgccgct cctcgcaggg cttgcactac tgggagtcgg gccggtccca gcgcgggcgc   120
tgcacaacgt cacggccgag ctctttgggg ccgangcctg gggcaccctt gcggctttcg   180
gggacctcaa ctccgacaag cagacggatc tcttcgtgct gcgggaaaaa aatgacttaa   240
tcntcttttt ggcagaccan aatgcaccct attttaaacc caaagtaaag gtatctttca   300
agaatcacag tgcattgata acaagtgtan tccctgggga ttatgatgga aattctcaaa   360
tggatgtcct tctgacatat ctcccaaaa attatgccaa naatgaatta ngaactgtta   420
tcttctgggg acaaaatcaa acattatata ctaacaatat gaccatactc nataagactt   480
ttcaanatna ccact                                           495

```


<210> 3048

<211> 659

<212> DNA

<213> Homo sapiens

<400> 3048

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cattactana aagaatctta caaacaaagt tgaaggatat agtttctttg gtcccacgcc 60
tgcggcacat catcactgtt gatggaaagc caccgacctg gtccgagttc cccaagggca 120
tcattgtgca taccatggct gcagtggagg ccctgggagc caaggccagc atggaaaacc 180
aacctcatag caaaccattg ccctcagata ttgcagtaat catgtacaca agtggatcca 240
caggacttcc aaaggagtc atgatctcac atagtaacat tattgctggt ataactggga 300
tggcagaaag gattccanaa ctaggagagg aagatgtcta cattggatat ttgcctctgg 360
cccatgttct anaattaagt gctgagcttg tctgtctttc tcacggatgc cgcattgggt 420
actcttcacc acagacttta gcagatcagt cttcaaaaat taaaaaagga agcaaanggg 480
atacatccat gttnaaacca aactgatgg cagcagttcc ggaaatcatg gatcgggac 540
tncaaaaatg tcatgaataa agtccgtgaa atgaatantt ttcaccgtaa tctgtttatt 600
ctgggcctat nattaccaa tggaacanat ttcaaaanga agttntactc cactgttgc 659
```

<210> 3049

<211> 728

<212> DNA

<213> Homo sapiens

<400> 3049

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ttcaaatgtg atgagtgcgg aaaggccttc agtcagagta cgagcctctg catccaccag 60
agagtccaca caaaggagag aaaccatctc aaaatatcag ttatataaaa cgttttgcta 120
agagttaaaa atcttaaaac ccataagtgc cactaggaag gaaaccctgt atatacctac 180
attgacccaa gaaatattta cgcaatccct agcagaacat tgtttctgag gaggcataatg 240
```

tgagattgat ttgttggttc atgccaagtg tgttccacag gttgactttg aatgtggacc 300
 tctgagcatc cacgcaggat ggctctcagg tcccagtcac agacgtcgct tcctgggatt 360
 ccagcacgat gcctccatag ttgaaagact acacaaaaag ccacaatcat tgcccggcct 420
 cctgagtcac cttctatcta tactttgctt aaaagctatc ccagatactc ccccttgggg 480
 agctcatgcc cttccttctt ctttattcga gcatactggc aatgcattgg gaaaacagac 540
 agctcccact aagatcacgt tctgggtattt ctgaagttaa cacttgattt agccccctaca 600
 tatctttcca tatatcctat tatttctgaa tatatgtcct ccaaattccc ataaatatcc 660
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 tcccttng 728

<210> 3050

<211> 602

<212> DNA

<213> Homo sapiens

<400> 3050

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 ttccccgtga ttggaactt tccaatccca gagaaaagtt gacaaaggga ctgcccagga 180
 ctgagtcctat atggaagaag aacttcctct tttctctgga gacagtggca agccagtaca 240
 ggctactctg tcatctttga agaagttaga tgtgggaaag tggccaattt tttccctttg 300
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 agttttatac actacagtna atgatnagat ttttgtgctt ggacaaaact gctgtggctg 420
 tttggggtta ggtnacctcc agagcaccat tgaacctcgg anactggatt ctttanatgg 480
 caaaaaata ccctgcctca gctatgggan tggccacat attgtccttg cacaacagaa 540
 ngaaaatctt tacctggggg cctaattgctt ataccgctt ggccatggng acaactantc 600
 nt 602

<210> 3051

<211> 670

<212> DNA

<213> Homo sapiens

<400> 3051

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acttgtaaac attcctatga ttgttactaa aatgtatfff catgtttaaa atgtttttgg 60
atattttggg ttaataacta ctacattgaa ttgcatgtta aggtgcanaa ataatacatt 120
aaaagattfff cactttaaat taattagtaa tattgagcgc tcaccctgtg cgtggccttg 180
tgctaaccat tagcactgca tcatttcaat tcttttataa gggcattcaa tactacaaaa 240
tcaacatgat ttcataaggt gcaaataaaa gttggtgaca gatttaatat aattttgatc 300
acaatttaca aatgatctff gcaaatagtg gtcagacggc attagttfff cccttagtta 360
agctaaatta aagggactcc ctccgtttat gattatatta ttattattat tattattatt 420
tttgagggtg agtttcactc ttgttgccca agctggagtg caatggcgcg atctcggctc 480
accacaacat ccgcctcctg ggttcaagcg attctcctgc ctacgcctcc tgagtatctg 540
ggaatacang catgcgccac tacacctggc taatttttgt atttttagtt ganatngggt 600
tttccacntt ggtcaggctg gtctccaaac tcctgacctc aggtgatncc gtccacctca 660
ncctcccaaa 670

```

<210> 3052

<211> 626

<212> DNA

<213> Homo sapiens

<400> 3052

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tgtgaagtca actttatccc agacagttcc atccaagggg agaattaagt agagaaattt 60
gtctgcaatc tcaatctaaa gacaaatcta cgacaccagg aggaacagga attaagcctt 120
tcctggaacg ctttggagag cgttgtcaag aacatagcaa agaaagtcca gctcgtagca 180
caccacacag aacccccatt attactccaa atacaaaggc catccaagaa agattattca 240
agcaagacac atcttcatct actaccatt tagcacaaca gctcaagcag gaacgtcaaa 300

```

aagaactagc atgtcttcgt ggccgatttg acaagggcaa tatatggagt gcagaaaaag 360
 gcggaaactc aaaaagcaaa caactagaaa ccaaacagga aactcactgt cagagcactc 420
 ccctcaaaaa acaccanggt gtttcaaaaa ctcagtcact tccagtaaca gaaaagggtga 480
 ccgaaaacca gataccagcc naaaattctn gtacagaacc taaagaagtg atacgtgaaa 540
 ttgagatgaa tgtggatgat gatgatatcc atagttcgaa agttattnat gaactcttcn 600
 gtgatgttct anangaangt gaactt 626

<210> 3053

<211> 483

<212> DNA

<213> Homo sapiens

<400> 3053

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 taccttcgaa tgtgggcca ggagaaagag gctcagaagg agacgattaa ggatcttccc 120
 aagatgaacc aggagcagtt catttgagct gtgcaagacg ctttacaaca tgttcagtga 180
 agaccccatg gagcaggacc tgnccacgc catcgccacc gtggccagcc tcctgctccg 240
 catcgagag gtggggaaga agttctcagc ccgcacaggc aggaagccca gggactgtgc 300
 cactgaggag gacgagccac cagcaccga actgcatcag gacgcancca ggggagcttc 360
 nccccccagc tgcaggagac cccaagcca aagcaggcgg agacacaccc ctcggaacag 420
 cccacagga aaaccangtt gtggtggaag ggggcancng cnaaggacan ggctcaccc 480
 ccc 483

<210> 3054

<211> 411

<212> DNA

<213> Homo sapiens

<400> 3054

gactgcagag ccggggctgg gctangcgcg cgcttggaga gcattgcgcg cggctgggcc 60
 cgcgcccggc ggctcctcct cccactctgc tcctcctctt tttctcctc ctccgcctcc 120
 tcctccgcct cctcctcctc ctcttctcc tcctcttcaa ttctcccgtt ggctcgactc 180
 ggctcgcagg cttcggagaa acccctactc cagtcgccga ctcagcgccc aagagggtcg 240
 ccttgggctg ggggcgccacc ccaggaggag gaggggtcca ggcagctggg ccgccgcgga 300
 cacctagcgg cttcagggtt aatcccgacc gcagccgtcg ccgcctcggg canattttgc 360
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<210> 3055

<211> 514

<212> DNA

<213> Homo sapiens

<400> 3055

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 accttctata acagaacagc atcgatcatca gacagtgagg aggaccaga agccttggag 120
 aagcagaaga aagtgcggcc catgtacctn aaggactacg agaggaaggt tatcttggag 180
 aaggcaggca aatatgttga tgaggagaac tcagacgggg agacttccaa tcacagactc 240
 caggagacat cgtcgcaaag ttatgtggag gaacagaaac agtcaagga aagcttccgg 300
 gcatttgttg aggacagtga ggacgaggac ggcgctgggg agggcggtc cagtttgctg 360
 canaaacgtg ccaaaaccag gcaggagaag cccaggagga ggccgactac atcgagtggc 420
 tgaagggaca gaaagagatt cggaacccan attccctgaa ggaactgacg cntctcaagg 480
 aatactggaa cgaccctnaa ttggatnaan ggga 514

<210> 3056

<211> 527

<212> DNA

<213> Homo sapiens

<400> 3056

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caatgttccc gagcctgatg gacatatcat atcaccactg ttggcaggat tttatatgtt   60
ttggaccatg atcattttgt tacaggtctt gattcctatt tctctctatg tttccatcga  120
aattgtgaag cttggacaaa tatatttcat tcaaagtgat gtggatttct acaatgaaaa  180
aatggattct attgttcagt gccgagccct gaacatcgcc gaggatctgg gacagattca  240
gtacctcttt tccgatnaga caggaaccct cactgagaat aagatggttt ttcgaagatg  300
tngtgtggca ggatttgatt actgccatga anaaaatgcc aggaggttgg agtcctatca  360
ggaagctgtc tctgaagatg aagattttat agacacagtc ngtggttccc tcagcaatat  420
ggcaaaaccg anagcccccga gctgcaggac agttcataat gggcctttgg ggaaataagc  480
cctcnaatca tcttgctggg anctctttta ctctnggaag tgganaa                    527

```

<210> 3057

<211> 572

<212> DNA

<213> Homo sapiens

<400> 3057

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aataaagcta agctgcgtgg gtaacttctt tttagttata taacagagtg ttatatgatt   60
ttttatgttc acctgctaag aacatatacg tttgaaatgt gtgatattgt taacgtttnn  120
ccttgagaag atatatggaa tagatcttac gatccattt tgatctgttt cttgcagaat  180
gcagttcttc atgttcagtt caattaaaag atgtttgaaa tggctctaat tggctggcct  240
ctttggagca atgagcgttt gttttgttga atgagggact gaatgatgat ttagttactc  300
agctaattcta gtgtcctgag aaaaatgtga gttgttattg cctctgaaga gtaaacggtt  360
cactactgct gttccagaat gtttgactt aagacagttt gttgagagag atagaagatt  420
tggttaggtt tagactttcc acctgccggc tcgcattaac agcagtgagg gtggcgagga  480
ctgccttatt tggcgcgctc ccnatgttcc aggcacactg ctttggtgct ttaanangct  540
gcttcacgta atctccccng cagcctcaga na                                572

```

<210> 3058

<211> 487

<212> DNA

<213> Homo sapiens

<400> 3058

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ggactgagca ccttcgactt ccgcacgggc aagatgctta tgagcaagat naacaagagc   60
cgccagcgcg tgcgctacga ctctccaac caggtcaagg gcaagcccga cctgaacacg  120
gcgctgcccc tgcgccagac ggcgctccatc ttcaagcagc cggtgaccaa gattaccaac  180
caccccagcn acaaggctcna gagcgacccg cagaaggcgg tggaccagcc gcgccagctc  240
ttctgggana agaagctgag cggcctgaac gccttcgaca ttgctgagga gctgggtcaag  300
accatggacc tcccnnggg cctgcagggg gtgggacctg gctgcacgga tganacgctt  360
ctgtcggcca tcgccagcgc cctgcacact agcaccatgc ccatcacggg acagctctcg  420
gccgccgtgg aaaanaaccc cggcgtatgg ctcaacacca cgcancctt gtgcnaagct  480
tcatggt                                           487
    
```

<210> 3059

<211> 530

<212> DNA

<213> Homo sapiens

<400> 3059

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agcgaccgaa ctctggcggt ggtggttaag acggcnaagg cggcagcggc ggcnaacagct   60
ctggggtttg cgtctcgggg tgtgtcgccc gccgctgctg cttgggcctg gtatgtacag  120
atggctgggtt aggattctcg gcaccatttt ccgtttctgc gaccggtcgg tgccccctgc  180
ccgggccctc ctgaagaggc ggcgctcaca cagcactctg ttttctacag tggacactga  240
tnaaatacca gccaaaagac caagattaga ttgctttatt caccaagtga aaaacagtct  300
ctacaatgct gccagcttat ttggattccc attccagctg accacaaagc ccatggtaac  360
ttctgcttgt aatggaacac ggaatgtggc cccttcagga naggtatitt cgaactcttc  420
atcttgtgaa ctgacaggtt ctggatcctg gaaacaacat gctnaaactg gggtataaat  480
    
```

ctcctaattgg aataagtgac tatccnaaga tcagagtgac agttncacca 530

<210> 3060

<211> 575

<212> DNA

<213> Homo sapiens

<400> 3060

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 ttgccctcgc ttctcagatc cccgccggaa gtgaagagag caagcagatt tgaacctatc 120
 tgctttcaag ctggtcatca tgatgaaact tagacacaaa aataaaaagc caggtgaagg 180
 ttccaagggc cacaagaaga taagttggcc ctaccctcag cctgcaaagc aaaatgggaa 240
 gaaagcaacc tccaaagtgc cctctgcacc tcattttgtt caccccaatg atcatgccaa 300
 tcgagaggct gaattaaaga agaagtgggt tgaggagatg agggagaagc agcaagccgc 360
 ccggggagcaa gaaagacaaa aacgcaggac cattgagagc tactgtcagg atgtcctaag 420
 acgccaggag gagtttgagc ataaggagga agttttgcag gaattaaata tgtttcctca 480
 gctggatgac gaggccacga ggaaggctta ttacaaggag ttccgtaagg tgggtgaata 540
 ctctgatgtg attctggaag tcctggatgc cennn 575

<210> 3061

<211> 704

<212> DNA

<213> Homo sapiens

<400> 3061

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 gtaatggatg gaaagatgca accaaacagc ttcccggtggc agtccccttt accatgcagc 120
 aatagcctcc ctgcaacgtg cacaactggc cagagtaaag tggcagcctg gttacaggac 180
 tcggaagaga tggacagggtg tgcagaagat cttgcacatt gccagtcaaa ccttgtggaa 240

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 tggagaacaa aagggtgtag caaagataca aaaatacaac tgcaggttcc tttagtgct 420
 accatgtcac cagttcgctt gcattcctcc aacccaacc ttgtgtaga tattgaattt 480
 cagactcccc ctagccacct cactgaccct ctggaaagt caacagatta taaaagctg 540
 caagaanaat ttgttctaat ccgcacagaa aagtttgnc cnattttttt cctccttttt 600
 ttggaaaagt tctgccattt aaataagcca tangctatta gaaaaaggag aagctgaaag 660
 ccaanatggt ttccgaagca ggatcacant taaaanggcc acan 704

<210> 3062

<211> 465

<212> DNA

<213> Homo sapiens

<400> 3062

ctctggcngg tggcgggtgt gaaggcgaaa gcttgcttgg cccgtgtcgc ttctgtccca 60
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 cagtcgtcgt tgaggagcgc agtccggact cttcccgcaa cccctccggc tccctttccg 180
 cagcctcga ggcggcggcg gccaccgaga cagcagcgca ccttccccca tcccttcccc 240
 ttatccccca gcccaaaagg gcccggtctg cgccccaccc ccgcccgtcc gcccgctacg 300
 ccgcccgcac gtcggcgcan gcccanatgc gcgcgatgct ggaccagttg atgggcacct 360
 cccgggacag anatacaact cgtcaacgaa tcnaattcag tgatgacaga gtatgaana 420
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<210> 3063

<211> 684

<212> DNA

<213> Homo sapiens

<400> 3063

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cttccgggga ccaggcccg c ttttggctgc atcagccggg gattgccggc gccaggcatc 60
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tgtgggggct gcaactccat acctgcatca tcctggtgat agtcacagtg gccgagttag 180
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tgccctgctg gcaggcatgc acacactgct ccagcaggcc ctccgtctgc cccccaccag 420
cctgaagcct gacatcttca gggaccagct ccaggagctc tgcaccccc aagacctggt 480
cggggacttg gccagcgtgg tatttgggag ccagcgccc ctccttgatt ctgtggccca 540
ncagcagggg gcctggctgc cgcatgttgc tgactttcgg tggcgggtgg atgtacaatc 600
tccaccagtg ccctggctcg ctccctgcan ccgagcgtcc tgatgcactg aaactttcag 660
atgggtccnc atnccgcttt tgaa 684

```

<210> 3064

<211> 693

<212> DNA

<213> Homo sapiens

<400> 3064

```

ggaaaaaat gagagacctc tgcctacaaa acctcaaacc agtcactttt gtcaattgct 60
aataccagtg tacttatgat ttaaaaacaa ccaacagaaa acatcccact gactgtatgg 120
cactctatag tcaaaaaagg aaacttcctt attgggactt ttccttctta gtccagttgt 180
gttgacacat atgaacacag acaaagtgt atgcgganga aagcaagtgt tggtcagtag 240
tttcatgttt tagggagtgg ttcctgtgga natcagaaag tgacatttgc tttcggtagt 300
gtaatacgtg caccaaactg cctcaatcct aggtaacgag ggcaacaggg agcacctgtc 360
tggtattgtt ttaaacctcc atactcaagc tgtctcttcg gcagggangt gaatactctt 420
gaaaggccaa cancaagtgt ttgtgggaca caacacagat aatttttct taagtcggcc 480
aanatgtact tctctgtgtg cacacccatg cacactcatg cacacagata catangtctg 540

```

tatggctgta tttgctgttg attcanactt tcacaccatt aatggggaaa agcgtggnca 600
caaaaacana tgctaggaan cttggcttcc tcttcttggt gacctttttt gaaccaacct 660
cttttttatt atattcanaa tatgttttta ant 693

<210> 3065

<211> 516

<212> DNA

<213> Homo sapiens

<400> 3065

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ggtttttcctt gtagttcgtg gtctgagacc aggcctcaag tggaaacggc gtcaccatga 120
tcgcacggcg gaaccagaa cccttacggt ttctgccgga tgaggcccgg agcctgcccc 180
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aaaaactaac ctgttttgct ttgaaggga cctgaaatt tttgggaata ttttgaaatt 420
tccttccan aaggaaattc cctgaaaaaa aaataanaaa accttttggt gaaatttttt 480
aaaaattccc nccattcct ttaaattntc caaatt 516

<210> 3066

<211> 882

<212> DNA

<213> Homo sapiens

<400> 3066

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tttgacatcc agctaagang gcccatctct tctcacctct ttcctagtca gtatattcag 120
caaattatta ttgagccctt actgtgggca aatcattgta ctggataatt gagaaaaata 180

gataattccc ttattcagta aatgtctact gagcacaatc tagtgaatca ttacagtatg 240
gcctcattgt tttgtttgag gtgtgttatt cataacaata ttttacacca ttcgtatcaa 300
tgtaattata gaacacaata tacgatcaag gataagtaat tgtgtgggta tctgccattt 360
aaaagtatcc agtatttgat cacattatta tatataatga aaaaatgatt taatctgtaa 420
taaactgggtt tattgtgcag tgactgtaat atactaaagt tataataaat tgtttactct 480
gcctcaccaa acacatgcta ggatataacc cccaaaataa gtatttaact ttgcattagg 540
tataaagnga nactgggtgc tataattaaa ttattttgag gcagacagaa anctgttattc 600
ctaactgatt taatatgttc tgtaattgaa aaaatgttca ccaaattata ctttttagtg 660
atttacatgt tacattttat aggggacatg ttctgtttnt anccaataaa taacttttat 720
agtatcacaa aatgtttttg gatccctaatt ttcttattaa gaatatgaag tttcttacct 780
ataccttgat tntcccatt tgaatttgic nctttttgcc acatacttaa acnttccatt 840
ttaaatttaa ctaaaaatcc tggaaattga anttnaacct tt 882

<210> 3067

<211> 482

<212> DNA

<213> Homo sapiens

<400> 3067

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ccggttgctt tctgcagccg catctcgcc agctctcctc gccgtccccg gggcgtgtg 120
cgtctccagt ccgggaccga agccgcctgc cgtagcgggc ggccanattc gcgtccccgc 180
tcagcggccg gaggacatgc gggagagaga atgagccaga gggacacgct ggtgcatctg 240
tttgccggan gatgtggtgg tacagtggga gctattctga catgtccact ggaagtgtgta 300
aaaacacgac tgcagtcatc ttctgtgacg ctttatattt ctgaagttca gctgaacacc 360
atggctggag ccagtgtcaa ccgagtnntg tctcccgac ctcttcattg cctaaagggtg 420
atcttggaag aagaagggcc tcgttccttg ttanangac tangcccaa tttagtgggg 480
gt 482

<210> 3068

<211> 664

<212> DNA

<213> Homo sapiens

<400> 3068

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gtacacctgt atgtgcttcc tcattgatat ggtgaatgta agtctggagc ttaaagatcc 180
aaaaagaaaa gaaggTgctg ggtccctagc cagatttgac ttcaagaaat gcaaactgct 240
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ttttgacacc cgttatgctg ggcagaagac cagccctggc atgacgaatg tgttcagctg 360
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tttcagatct accaaggatt cctcctgctt tacagtagtt ctcaacaatc tccgtgtgtt 480
tctcatattt gactggctac tgttagtcca tgattttctc cacactccca gtgatattaa 540
gaaacaaaat catgttactc cttctcgcca ccgtaactct agcagcgaat ctgctatagt 600
tcccaaaact gtgaagantg gantanttac caagcggctc cccttcctgt gttcaatgaa 660
aggc 664
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<210> 3069

<211> 744

<212> DNA

<213> Homo sapiens

<400> 3069

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aaagctagtt gagagagcat actctggttt ttcattcttc acagtagtca aagaagttac 60
atatacaatt agaatttggt gtttctgttg ccagaaactc aatacaattt gtcacatcag 120
gaaaggtttt ttgttggtat tgttgttggt tttagacagg aatttcactt cactcttggt 180
gcccaggctg gagtgcaatg gcgcgatctc ggctcaccac aacccccacc tcccaggttc 240
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aagcgattct cctgcctcag cctcccaagt anctggaatt acaggctttg tcactacgcc 300
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 aactcccaac ctcanagtat ccgcctgcct cagcctccca aagtgcctgcg attacaggcg 420
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 cataatttca gggttagtca gcaacataaa ntccncctaa tgacagcaga naacttatcc 660
 atctgttttt gggccacctt tgaagaaaac tgattttgaa aaatcganan tttctgtcta 720
 ctactaaaaa tcctcnntct gttg 744

<210> 3070

<211> 740

<212> DNA

<213> Homo sapiens

<400> 3070

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 ctctggagat gcctccccag tacaggctgt gtttgcccgg ggaattgctg ccagtggcca 480
 cttcatctgt gtgggaacgt ggtcaggccg ggtgctggtg tttgacatcc cagcaaaggg 540
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 caccgaacct gccccaagga acaggattgt gtggctgaca tggtagcngc aaataactcc 660
 aggcttgctt ttgtttctgg cggtccaggg ncaaaaattc ncanttattg aaccccattn 720
 ccaagaattt gggaatttcc 740

<210> 3071

<211> 725

<212> DNA

<213> Homo sapiens

<400> 3071

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gaacaaggga aatgagcaaa gtaagaagac accaattgag aaatctgatt ttgctgctgc   60
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tgattcagga acaggattga cttactggaa actagaggaa aaggatatgc accactcttt  180
gcctgaaact ttagagaaga cgttcataatc attgtcttcc acagatgtgt caccaaacca  240
gtctaatact agtaatgaga tgaagctacc gtcactgaag gatatttatt ataaaaaaca  300
aagggaacac aagcagttac ctgagaggaa tctcacttct gttccaacc caaatcatcc  360
accagaggtc ctgactctag atcctacgtt acacatgaag ccaaagcagc agatttcagg  420
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tgttctagag cctagtatgt ctagtccctc tgacatagac tcattttcac aagcaagtta  540
tgtcacttct cagttacctg gatttcctca atatccctca cacacaaaag cttctccggt  600
gggactcttg ggaaaaatcc gacttcctnaa acgaaagttg gaacagttcc ncctttccgt  660
ccgtttntnc ccttactagt tatgatatct cccgtccacc ctgttaatta aaaaaacact  720
gtcnt                                           725

```

<210> 3072

<211> 633

<212> DNA

<213> Homo sapiens

<400> 3072

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agagcggccg cggctccccc gcacctgcgg ccatggatga ggagcgcgcc ctctacatcg   60
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gggctacttt caaatitgaa tcaacagatg aagataaaaag aaagaaactc tgtgaaggca 180
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 tccgcattct ctccagagac aaaaaggttt tagttcctgt gacaactaag gaaaatatgc 300
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 agtgcaagga ccggaatit atcaatgaca ttaagtgtt tgacttgccg ttgctcttcc 540
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<210> 3073

<211> 717

<212> DNA

<213> Homo sapiens

<400> 3073

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 tcctgacagc cgccagcggg agagaggtgg aggccccaag aagccgtgga aatgcgggga 180
 ctgcgggaag gccttcagct actgttcgc gttcatctta caccagagaa tccacaccgg 240
 ggagaagcca ttgctgtgcc ccgagtgcgg caaggccttc agccagagcg tgcacctgac 300
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 cgtgcgcaa ggccttcgc ttctctcag cgctcatccg cccaccancg catccacacg 660
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<210> 3074

<211> 508

<212> DNA

<213> Homo sapiens

<400> 3074

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tgaccagaga ctacctgtcg gtgaagggtg gggacctcaa catggagagc aggccggtgg 120
agaccacacca ggtccacgag tacctgcgca gcaagctctg ctctctctat ganaacgact 180
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cctcgagaga gagcagcaaa ccgcgcgcca gcctcnaacc ccggaagtgt tgtncggggg 360
gtaagcggaa gaaagacgaa atcngtgtgg acagtctgga cttcaacaan aagatcctgc 420
acacagcctg ggcaccccgt ggacaatgtc attgccgtgg ctgccaccan taacttgtag 480
atattccagg acaaaatcng ctananac 508
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<210> 3075

<211> 486

<212> DNA

<213> Homo sapiens

<400> 3075

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tctctccccg cccccaggcc gcagttcggg ggccacgccc cggcgtgctc gggtcaccgc 120
gggaagccct tgaaccccct ggcgcccggc acccacgtgc ggtaaccgcg gctcctcgag 180
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gggangccgt ggaanccgca ttcctcccct tgacttgggc gcccaccccc gaaggggcgc 360
gtcccctccc tgctccactg cacgtgggtg tttaaccagg ggatatccag tgcctcaagc 420
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accacgaccc ggganaaaac tgggttgana aagtcttcta acaanccttt tgcacacctg 480
ccatgt 486

<210> 3076

<211> 598

<212> DNA

<213> Homo sapiens

<400> 3076

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gcccagcttg tctacatca gagggagatc tctgccccct ggggctgaga gaccccaacc 180
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gtctgggagg gacnttggag ggtcatccca tatgatgtgc tccctgactg gctaaaggac 540
aacgactatc tgctacattg tcatanaccn cccattccct cctttcgggc ttcttcna 598

<210> 3077

<211> 719

<212> DNA

<213> Homo sapiens

<400> 3077

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gctagtttct gttcgacctt ggagtagggc gaagangtgt agacaggtct ggagaagcga 120
ggtaaaaccc tgagtaaaag caagaagttg gagaatatga gatacatctc atctctagta 180

aataacttaaa tgacttcccc tcctcccgga gtcaancaca attcggggat gcagtgcagg 240
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 aancaaantc ctttaagatt tgaagttcat gatnaaatcc antaaccaag gcaggttgtt 660
 attggtggta aaaataaatt tttaatccat tggaatccat gccnccnacc ccnaatttc 719

<210> 3078

<211> 554

<212> DNA

<213> Homo sapiens

<400> 3078

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 agctggtttg ttgattagt atctaagacc gccggaagcg cttcttctca atcaagctat 180
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 tcncaagacc tcagtgggga cttcaagaaa ccagctctgc cgggtgtcca ncggggcgga 540
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<210> 3079

<211> 550

<212> DNA

<213> Homo sapiens

<400> 3079

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nggagccgcc cctttctcag ccttgctcgg ctcttccccg ctctggtcgc cggggctgcg 120
ccgtccccag ctcagtgaca aaaatgctga gtttcttccg taaaacacta gggcgctcgt 180
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aagtngcaca ttggttggat ggtacaaaaa gcatcaaaaa gcaagtnaaa atttggttcac 480
cctattgtct gcatcttcna ntaagt tttt attcctcaaa aaccaaata ccttcgtgag 540
ganctaaccc 550
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<210> 3080

<211> 747

<212> DNA

<213> Homo sapiens

<400> 3080

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gtcttcatac cctgacgaag tgcacctttt aacactcctt tgccttgga ttacttaaga 180
gttcccagaa atacatttgc caccaacaga gtagccaaat ttataaggaa aaatgattcc 240
caatggatat ttgatgtttg aggatgaaaa ttttattgag tcttctgttg ccaaattaaa 300
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gtagcacac agagcagtgc tagcttgctg cagtccttat ttatttgaaa tctttaatag 420
tgatagtgat cctcatggaa tttctcacgt taaatttgat gatctcaatc cagaagctgt 480
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tgaagtcttg ttgaattatg cctacactgc tcagttgaaa gcagataang gaattggtaa 540
aagatgttta ttctgcagca aaaaagctga agatggatcg antnaagcag gtttgtgggtg 600
attattttact gtctagaatg gatgttaciaa gctgcatctc ttancgaaat ttigcaantt 660
gtatgggaaa cccccgttgg ttgaataaag gttgaatgct tatnttcngg ancattttgt 720
taciaaatttc tgaaaaagga ggaantt 747

<210> 3081

<211> 618

<212> DNA

<213> Homo sapiens

<400> 3081

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cactctgaaa agacagtctt tggatcaagt cccaacagaa cagatacagt naaaatccna 540
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gctgatcagt gctcttac 618

<210> 3082

<211> 609

<212> DNA

<213> Homo sapiens

<400> 3082

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 cttcaaaagt cttgaacta ctggtgtaat ctactgggaa tgaaaattta tgaaaaagat 540
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 agaataacc 609

<210> 3083

<211> 705

<212> DNA

<213> Homo sapiens

<400> 3083

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 attaaaggaa ggtttaaaaa tctattttca gattataaaa ggtgtcttta ctggttttca 180
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<210> 3084

<211> 631

<212> DNA

<213> Homo sapiens

<400> 3084

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<210> 3085

<211> 545

<212> DNA

<213> Homo sapiens

<400> 3085

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tatttgaggc cctacgacgt ggtaggttca ccctcagcct ttgttcttat ttcattctat 180
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 nanaa 545

<210> 3086

<211> 654

<212> DNA

<213> Homo sapiens

<400> 3086

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 gcggggggcca ccgcagggcc tgtgggctgg gtcacgtggg tctcgctggg acctgggtccc 180
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 ccgccccctc cggggctgaa ccagggtctg aaaactgaat gtaacagggg ccgctggcac 600
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<210> 3087

<211> 562

<212> DNA

<213> Homo sapiens

<400> 3087

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antctgtgtc tgtgtggant gttgcangac gantggaaat gactgtttcc aagttcatgg 540
caattcanaa ggccttcagc ca 562

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<210> 3088

<211> 587

<212> DNA

<213> Homo sapiens

<400> 3088

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cttataacaa agaaaataaa aatgacgact tcgtctatca gacggcagat gaaaaacatc 180
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gtgttcaagg cgctgacct gctggactac ctcatcaaga caggctccga acgtgtggcc 420
cagcagtgcc gggagaacat cttcgccatc cagaccctga aggacttcca gtacattgac 480

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cgagatggca aggagcaggg catcaatgtg cgtgagaagt caaagcaact ggtggctctc 540
ctcaaggaca aagaacgtn aangctgaaa aggcccangc tctcaaa 587

<210> 3089

<211> 570

<212> DNA

<213> Homo sapiens

<400> 3089

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cacatgtttt aaattcttgg actcnagaan accaaaattt acaggagcta atggcagcat 480
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ccttgttgcn ccantggaaa ctctctgcca 570

<210> 3090

<211> 499

<212> DNA

<213> Homo sapiens

<400> 3090

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ttcgagggca atttgcaaag aattttaaag agtattgaaa ttgccaaaaa cagaggagca 180

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 tgcagagtga ttttctcaa caggaagatc ctgctcatca naccgaagat ggccttggcc 420
 aatgaangca actaccgca gctgcgctgg ttcaccccgt ggtcnaagaa tccgcacaca 480
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<210> 3091

<211> 598

<212> DNA

<213> Homo sapiens

<400> 3091

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 cctctacttc aggttattgt tgaaatgacc tgaaatttta aggaagtagc tgaaaatagc 180
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 tgaggggatg agggangctt tgctaacctg aatttcaagc ctgaatgagg ttgatgatga 480
 cattaactaa gacagcagac atggaaaagt tatgtgtgga acttanggtt cttggattcc 540
 naancaattg aaagggactt tgtctancct aagccagaag gaatttatta aaatntta 598

<210> 3092

<211> 569

<212> DNA

<213> Homo sapiens

<400> 3092

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 tttgaacaga gacgtgaatg tctaaccttt tgattctatt ctttttattc cagcgagtcc 180
 caccactgtc acccagatga gcttgtccaa cccgaccatg ctgaggactc acagcctctc 240
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 agaaaaatgc cagtcagaga ttcgcaagct gcggcgaggaa ctggatgcct cccaggagaa 480
 agtttcagct ttgaccaccc agctgacagc aaatgctcac cttgtggctg ccttngaacn 540
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<210> 3093

<211> 675

<212> DNA

<213> Homo sapiens

<400> 3093

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 agtatagtta aaaaccattc atattttaag tgattcatgt ataccctgaa gccgttaata 180
 caccaccagtc tctatggtaa catcactaaa tgtgggcata gaaactccac agctgtttac 240
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 gcaatttggc actcanattc tactctactt cacctaacca cccctagatc tgagttttca 360
 gagtgcttct gaagtacagt ttaaaaacac tttttaaaaa gtggantaaa agtgaggcac 420
 attttacaag aacataactc ctattaaaac ggantaacaa ctatgcaaag gtttctatag 480
 canctaagtg antttgtttt ccgggtctgt ctttaactggc ancttcctgt acatactggt 540
 acttatttgc tgtaaacgtc tgtttcatac ntttgccatg cantgactgt gctcnaaaag 600
 ttaaattccat ggtaaaaaaa cctaagattt tatggtatga aaaactgatc gcgggatttc 660

cgattcataa annnc

675

<210> 3094

<211> 159

<212> DNA

<213> Homo sapiens

<400> 3094

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ggctgcccag ggcccgcgcc gctgcattgg ggcgggtccgc gggccctgag aggaanggca	120
tacaggcggg ccgatatann aggggcgggg tctggcgga	159

<210> 3095

<211> 501

<212> DNA

<213> Homo sapiens

<400> 3095

aggccggaac catggcagt accaaggagc tcttacagat ggacctgtac gcgctgctag	60
gcattgagga gaaggcagcg gacaaagagg taaagaaggc gtataggcag aaggccctct	120
cctgccaccc agacaaaaat ccagataatc ccagagcagc tgaactcttc caccagcttt	180
ctcaggcctt ggaggtgctg accgatgctg cagccagggc tgcatatgac aaggtcagga	240
aagccaagaa gcaagcagca gagaggaccc agaaacttga tgagaaaagg aagaaagtga	300
agcttgacct ggaggcccgg gagcggcagg cccaggccca ggagagttag gaggaagagg	360
agagccggag caccaggaca ctagagcaag agatcgaacg cctgagagaa gaggggtccc	420
ggcagctgga ggaacagcag aggctcatcc gggagcagat acgccaggaa ccntnaccaa	480
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<210> 3096

<211> 523

<212> DNA

<213> Homo sapiens

<400> 3096

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cgtacctgag cccccagcat ggcgggccta aagcggcggg caagccaggt gtggccagaa 180
gagcatggtg agcaggaaca tgggctgtac agcctgcacc gcatgtttga catcgtgggc 240
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gaccacgagc gtggactcat ccgaaatgga cgtgacttct tattggcact ggagcgccag 360
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cacgacctgc tgccctacgt caccctcaan anganacggg ctgtgtgccc tgatcttga 480
nacaagtatc tggangaaac atcaattcgc tatgttacct cca 523
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<210> 3097

<211> 463

<212> DNA

<213> Homo sapiens

<400> 3097

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gtccgccgcg cccaggagtt ggggatgtcc taaaaccca tcgccctgc tcccagcagc 120
acccttggt ccagcacccc tgggccgggc accccggtcc ctacaggaag cgtcccgtcg 180
ccgtcgggct cagtgccagg agccggcgct ctttcagac cgctgtttta cgactttgga 240
ccgccttcca tgggctacgt gcaggcgatg aagccacccg gcgccaggg ctcccagagc 300
acctacacgg acctgctgtc agtcatagan gagatgggca aagagatccg gcctacctat 360
gctggcagca agagcgccat ggagcgcctg aaganaggta tcatccatgc ccgggcccta 420
ntcaganagt gcctggcaga nacaganagg aacgcccga cgt 463
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<210> 3098

<211> 606

<212> DNA

<213> Homo sapiens

<400> 3098

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gcgctcctgc tcttaggaag cctggggaag gaccggtgtg ctagggagat gatcggggaa   60
agcatagtcc cctgtctgtg gcaccagaca ctcccgactg tgcgctgact ctccccgccc  120
agccagcagc cttttccaga gaggctgtgg tccatagcct ctgttcgttt tcaactgcagg  180
accaggcacg aaagttaaaa caaaatgaag attttttctg aatctcataa aacagtgttt  240
gttgtggatc actgccctta tatggcagaa tcttgcaggc agcatgtcgg gtttgatatg  300
ctggtgaaga atanaacca aggaatcatt cctttggccc ccatatctaa atcattgtgg  360
ccttgctcag taaaatcttc catggaatat tgtagaataa tgtntgatat atttcctttc  420
aaaaagccgg tgaattttat tgtgagtgac tctggancac atgttttaaa ttcttggact  480
caagaagacc aaaatttaca ggagctaata gcancattan ccgctgttgg gcctcctaata  540
cctcgggcag atccagaatg ctgcantatt ctgcatggcc ttgttgcanc antggaaact  600
ctctgc                                           606
    
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<210> 3099

<211> 563

<212> DNA

<213> Homo sapiens

<400> 3099

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aagatggcag ctgcgggagc cgtctccgcg gcgcgtgggc ttcgtgggcg cgggccgcat   60
ggcggggggcc atcgcgcagg gcctcatcag agcaggaaaa gtggaagctc agcacatact  120
ggccagtgca ccaacagaca ggaacctatg tcactttcaa gctctggggt gccggaccac  180
gcactccaac caggagggtg tgcaagagct cctgctcgtc atctttgcca ccaagcctca  240
    
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tgtgctgcc a gctgtcctgg acagaggtgg ctctgtggt caccactgaa cacatcttgg 300
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 gcctcggggc cgccacgtgg ggagcaccga gaccaacctc ctgcagcatc ttctggatgc 480
 ctgtgggcgg tgtgaggagg tgcctaaatc ctacgtcgac atccacactg gcctcaatgg 540
 cagtggtcgt ngccttceng tnt 563

<210> 3100

<211> 651

<212> DNA

<213> Homo sapiens

<400> 3100

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 caggtcttga tanactttct gtaaagaagg aatgatttgg tgatggagtg ttccactga 120
 ccgatggact caaagaagag aagctcaaca gaggcagaag gatccaagga aagaggcctg 180
 gtccatatct ggcaggcagg atcctttccc ataacaccag agagattgcc aggctgggga 240
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 agtagcccca ttctagaaaa tgccctgggtt gggcaatatg ttattactgt ggcaacagga 420
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 gctgattctg aagccagccc tttgttagca ntcaggattt tacagttggc gtgtggccaa 600
 gaacacactc tggcnttgtc cntaagcana naaatttggg catgggggta c 651

<210> 3101

<211> 547

<212> DNA

<213> Homo sapiens

<400> 3101

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 tttctcccca gcggcggggg atgggggtag gcggttcctc tgttctttct gcgttccccg 180
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 cggtagcgcc cagcactgtc ccctcccctc gtagagacac ggttgtcgtt tgggantang 540
 gaacact 547

<210> 3102

<211> 599

<212> DNA

<213> Homo sapiens

<400> 3102

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 ctcaagttcc atctgaaaag gatacgggaa cagtttccag gaaccgagat ggaaaaatac 120
 gctctcttca cttacgaatc tcttaagaaa accaaatgcc gagagtttgt gccttcccga 180
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 gaaaagctgg ctgccacatc cgaggttggg gacctgccat ggaaattcta cttcaaactt 480
 tactgtctcc tggacacaga caacgtgcc aagacagtg tggantttgc ntttatgttt 540
 gaacaggccc ncaagcgggt ttccatggc ccccatccng ccccgaaaag aaaacctcc 599

<210> 3103

<211> 612

<212> DNA

<213> Homo sapiens

<400> 3103

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aattaacact aaacaactaa tccaagtttt ttcttaaate caattctgat gtataaattt  180
tgaataatat taggttctta actggaaatt accatttcag ggtttgaaaa ggactaggtg  240
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tgatgctgca tttctcctcc ccaggcagca attccccag gcaagcaacc gtcttcacta  540
ncttctccaa atcctcccat ggcaaaaggc tcngaacaag gcttccagtc acctccanca  600
antattantt ca                                     612
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<210> 3104

<211> 471

<212> DNA

<213> Homo sapiens

<400> 3104

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caccganaaa gagtgggctt tgctgggtcc ttgtcanaan aatctctaca aagatgtgat  180
gcaggaaacc atcaggaacc tggatttgtt aggaatgaaa tggaaagacc agaacattga  240
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agatcaatat agatatccca ggaaaaatct aagatgtcgt atgttagaga gatttgttga 300
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caagaacact cttcctggag taggtccttg tgaaagcant atganaggag aaatcgatcat 420
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<210> 3105

<211> 468

<212> DNA

<213> Homo sapiens

<400> 3105

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caatccgacc acgggggtctg tggagtggct ggaggaagat gaacactatg attaccacca 360
ggagattgca aggtcctctt atgcagatat gctacatgac aaagacagaa atgttaaata 420
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<210> 3106

<211> 530

<212> DNA

<213> Homo sapiens

<400> 3106

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cagagtgggg actggtgaaga gcgacctccc cgccaggctc tgtgtgttgc cggctgaaga 120
anggatgatg attattcccc accttctaag agacaaagac caacgagcca ccacagccac 180

cagtcccaga acccgccaat gctggggaat ggaaaatgag ggagttcaac tctggccctc 240
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gcctttcttc catttgtggt tcttgcgaag tggaatttaa atgacatctt atcnagatgg 480
ataaaccttg gtttccagtg gctggaatat anaaaatgga tggacaagtn 530

<210> 3107

<211> 621

<212> DNA

<213> Homo sapiens

<400> 3107

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tggagcggcc cagcagtgtg agcgtggttg ttactgcccc atccgccatg tccttcagtg 180
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tgtccatccc tgatgaaaat ggggaaagcc gggcacatag ttccccacct gaggacctgg 540
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cancgtgggc ancgcgctnc a 621

<210> 3108

<211> 512

<212> DNA

<213> Homo sapiens

<400> 3108

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 ccgccagccc ctccctcctt tcccgcaggt tagcctggca aggaagataa agacatttgc 180
 aaccaagatg gtaatcacta gtgaaaatga tgaagacaga ggaggtcaag aaaaagaaag 240
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 gatcatattt gtctacatat acaccaccct gtgaatggcc cagagcgicc tcanaggcct 360
 cagaatggcc aaagacggaa gtcctgcgtg tcggcgcatc actgaccaga ccctgcgana 420
 acaagcaggc ttgaccgcga catnccaccc aatcaaatgc accttcnaac tttacaaaag 480
 gtcncacaaa tanaccgatc ctgctgcagg ga 512

<210> 3109

<211> 662

<212> DNA

<213> Homo sapiens

<400> 3109

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 tgagactcca cagaaaagaa aagtttcttg agagcagaac ttctgtcctt ccctcccagt 180
 tcggtactat aagaagacat gcacacaaag atgtttgtta tgattattga agtgttaaat 240
 ggaagaaaaa tgttacccaa gtcttctcca aaaagaatgg tagatatttc cttgaaatgc 300
 ctaaccattt tctggatgag actcatcaat atccccttca ctccactctc tgccaactca 360
 gatataattt ccattgggca ccttcacagt aatgccagga ttggggcaga natcctgaaa 420
 gagcttctta taagatggca aatgtgcctg gcaagagcat ttgtattttg tcaggtggag 480
 gcatgtgctg anagttattc aactatctga aatgttgaat ttggangttg tgaaaatatt 540
 gaattatgct attagtttaa taatatctga ngcagtaaaa tantacctga agaatggtgc 600
 ctcatctgc ccccttgcca nttgtctcct caatcctgaa ctccctgctg angttaattc 660

na

662

<210> 3110

<211> 528

<212> DNA

<213> Homo sapiens

<400> 3110

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ccgctgtcgg aggagagcac ccggagacgc gggctgcagt cgcggcgggt tctccccgcc  180
tgggcggccg cgccgctggg cangtgctga gcgcccctan agcctccctt gccgcctccc  240
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ggaggcggcg gtggatgcng cgctgggcan aancanccgc cgattccagc tgccccgcgc  360
gccccgggcg cccctgcgan tccccggttc agccatgggg acctctccga gcagcagcac  420
cgccctcgcc tctgcagcc gcatcgccc ccgagccaca gccacnatga tcncgggctc  480
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<210> 3111

<211> 486

<212> DNA

<213> Homo sapiens

<400> 3111

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gtactggccc acttcttgca ttttcacttc tatgagataa atggcatcac cgcggcactg  180
gctgaagagc tctttgagaa aggagaacag ctccctggggg ccggcgaggt ctttgccatt  240
ggacccctgc agctgtatgc cgtcacgggg cagctgcagc agggaaagcc cacgtgcgcc  300

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agtggggatg ccaagaccga cctcgggcac atcctggact tcacctgtcg ccttaagtnc 360
 ctttaagggtt ctggcacaga angacctttt gggaccagca acattcagga ncanctcctg 420
 ccgttcgacc tatcaatatt caagtccttg cntcaggtgg anataagtca ctgtgatgct 480
 angcac 486

<210> 3112

<211> 501

<212> DNA

<213> Homo sapiens

<400> 3112

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 cgggcctgtg aggatcctgc ggaccgctca ggatctcagc agcccgcgga cccgcacggg 180
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 tgtgttctcc accatagctt tggactctct tgttcttgaa aacttaagta cccanatttt 420
 gatcttggct cctacaanan aaattgctgt acagatacat tctgttatta cagccattgg 480
 aataaaaatg gaangcttan a 501

<210> 3113

<211> 544

<212> DNA

<213> Homo sapiens

<400> 3113

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ccccaaagtc tgccaaaggc agtgcaaaga aggaaggctc caaacggaaa atcaacatga 180
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 caccacacca tcttccgcca ggtgtgcctg gcctcccggg catccaccca ccgggtgtga 480
 tgaaccaagg antggccct atggtnnnga ctccancacc angtggaat ccatatggac 540
 aaca 544

<210> 3114

<211> 526

<212> DNA

<213> Homo sapiens

<400> 3114

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 cctcgctgag ggggttcgtg cggtcctcan gangcgtgaa ccgcggacca tgagcgtggg 180
 cttcatcggg gccggccagc tggcctatgc tctggcgcgg ggcttcacgg ccgcaggcat 240
 cctgtcggct cacaagataa tagccagctc ccagaaatg aacctgcca cgggtgtccgc 300
 gctcangta agtgganccg ggcggaatgg gaagcgggtg gagggccagg aaaaggatga 360
 cctgagatga antgagtctg gccggccct gcgcccaant gctggtcttt ggccggcggt 420
 gacctttact ccangaacgt nacaatcttt ccaccttctc ttgggcanct caatgtggtg 480
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<210> 3115

<211> 776

<212> DNA

<213> Homo sapiens

<400> 3115

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aaagaggaaa acaccataat tttgcagcag ctactcccac tgcgaaccaa ggtggccaaa 60
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agccgcgtaa cagcctttct agatgattta agccagaagt taaaaccctt ggggtgaagca 180
gaacgagagt ttattttgaa tttgaagaaa aaggaatgca aagacagggg ttttgaatat 240
gatgggaaaa tcaatgcctg ggatctatat tactacatga ctcagacaga ggaactcaag 300
tattccatag accaagagtt cctcaaggaa tacttcccaa ttgaggtggt cactgaaggc 360
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gtttggaaca agantgttac actttatact gtgaaggata aagctacang agaagtattg 480
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tggtgaactt ctcccagccn gtggcaggtc ctccctctcc tcctgagacc nacaaaactg 660
attttgccn aattagcgga acaatgtnga aactgacttt gtttnaagt ccctccccaa 720
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<210> 3116

<211> 503

<212> DNA

<213> Homo sapiens

<400> 3116

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tctagctcag gctttaggat cagagagcan canattcaaa tcctgacggt ttttgtaaag 180
tcaattcaat ctctccaana ctccgtttac ttgatctgcg aagtggggat aatggtatca 240
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cccgcgaagg gacatggagt tgctcancaa cagcctggct gcctacgcgc acatccgcgc 360
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cctctgcctg ctggtcatca ncatctcgtg ggcgccccgc ccgcngcccc ggggccccggc 480
tcancgccgg gacccccnca nca 503

<210> 3117

<211> 440

<212> DNA

<213> Homo sapiens

<400> 3117

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tggagctgga cgaggacaag gcgtcttggt gccgctgggg cgcgcagcac gccggggccc 180
gcgagctggc tgcgctctac tcgccaggca agcgcctcca ggagtgggtgc tctgtgatcc 240
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acacacccct cgtcatactc ggtgttggtg caggggctct cattgctgac ttcttgtctg 360
gcctgggtaca ctgggggtgt gacacatggg gctctgtgga gctgcccatt gtgggggaaan 420
gcttttctcc nacccttccc 440

<210> 3118

<211> 261

<212> DNA

<213> Homo sapiens

<400> 3118

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tgagagggcg gcggcgggcg tgggaggagg atggccgggg gtgctggcgc cgggtcggac 120
ggcgggtgctg gtggcgggcg cggcggatgc caccgccgcg gtcccagcgg caacagcagc 180
ggcgggagga gcctccggga aatggatgaa aagacgtgc tggatccann gttgaaggtt 240
cataaaagcc tctgggatta n 261

<210> 3119

<211> 609

<212> DNA

<213> Homo sapiens

<400> 3119

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ggcgcttact ctgtgcgctt gcttcccca ccctgcaccg gccatgcgcc cggccttggc   180
ggtgggcctg gtgttcgcan gctgctgcag taacgtgatc ttcctagagc tcctggcccg   240
gaagcatcca ggatgtggga acattgtgac atttgacaa tttttattta ttgctgtgga   300
angcttctc tttgaagctg atttggaag gaagccacca gctatccaa taaggtacta   360
tgccataatg gtgaccatgt tcttcaccgt gagcgtggc aacaactatg ccctgaatct   420
caacattgcc atgccctgc atatgatatt tanatccgt tctctaattg ccaacatgat   480
tctaggaatt atcattttga anaaaaata cagtatatc aaatatacct ccattgccct   540
ggttgtctgt ggggatattt atttgcactt ttatgtcnn aaancaggc acttcccant   600
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<210> 3120

<211> 564

<212> DNA

<213> Homo sapiens

<400> 3120

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accgcgagac gcgcgccctc gccgacagcc acttccgagg cctgggggtc gatgtccccg   180
gcgtcggcca ggctccggc cgggtagcct tcgtctcgga gccggcgccc ttctcctacg   240

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ccgactttgt gcggggcttc ttgctgcccc acctgccctg cgtgttttcc agcgccttca 300
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 acctgctacg gacctacgga gacgtggttg taccagttgc aaactgtggg gtccaggaat 420
 acaactcgaa ccccagagag cacatgactc tcagagacta catcacctac tggaaagagt 480
 acatacaggc gggctactcc tctcccagg gctgtctcta cctcaaagac tggcacttgt 540
 tgcaggnact ttccngtnga aaga 564

<210> 3121

<211> 632

<212> DNA

<213> Homo sapiens

<400> 3121

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 gcgagctttt atgaggacgg aggggatgaa gacattgtga ccatttcgca ggcaaccccc 180
 agttcagtgt ccagaggcac agccccagt gataatagag tgacatcctt cagagacctc 240
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 gtggatgata tctttaaagg tgccaaagaa catggagctg tnnctgtgga gcgagtgacc 420
 aagagccctg gagagaccag taaaccgaga gtcatgttn tattgaaact ctggaagaat 480
 ggattcagcc tggataatgg agaactcana agctaccaag acctatcaa tgcccagttt 540
 ctggagtcta tccgcagaag ggangtgcca ncanacttcc gaagctanct cacggtggac 600
 aggtgaactt ggatatggan gaccatccgg ac 632

<210> 3122

<211> 640

<212> DNA

<213> Homo sapiens

<400> 3122

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 cattggaagc aaggctctac ttcagtggca gatctgggtg ccttggagtg gctgaagacc 420
 accaccctcc acagggtctg gcccatgcac agccatcctt ccctaccttg agtgagcttc 480
 ctctgcatgt tttctatate actggcagag cctgtagttg gaaaggggac agagtgacta 540
 ctggactttg tgtgaaaaca ccaaccggga caaaacttca ntcaaggctg agacgggttg 600
 gggtatatna cttgtcctna cgttaacttg gaacatggtt 640

<210> 3123

<211> 670

<212> DNA

<213> Homo sapiens

<400> 3123

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 aatgtctttc acatgaaatg ggcctgagtc actctaagac tcaccttagg gtgatcaaag 180
 tagcaccttt gcaaaacaaa gaggtagaga ctccctcggc tggccgtgtg gactttgcat 240
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 caggaagact cctgagccag cgagaaacca ggacaatgca caaagcaaag caggttctan 540

aaaagaaaat gcaaaactcca atgtntactt ctganaacag acaatntttg catnagatgc 600
 aagtgttgga aatgatccgt aaaagacaag aaggccaaat gganttaaag aaaagtcttc 660
 atgganaagc 670

<210> 3124

<211> 833

<212> DNA

<213> Homo sapiens

<400> 3124

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 aaaaaagcag aaattgctag aagaaaacgt tagtgctttc aaaacagaat atgatgctgt 120
 ggctgagaaa gctggtaaag tagaagctga ggttaaacgc ttacacaata ccatcgtaga 180
 aatcaataat cataaactca aggcccaaca agacaaactt gataaaataa ataagcaatt 240
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 agagatttcg gttctaagcc cagaggatct tgaagcgatc aagaatccaa gattctataa 720
 caaatcaaat tgcacttttg ggagcccggt gtcatngaaa tgaaaccaa cctccggtgc 780
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<210> 3125

<211> 780

<212> DNA

<213> Homo sapiens

<400> 3125

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<210> 3126

<211> 803

<212> DNA

<213> Homo sapiens

<400> 3126

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<210> 3127

<211> 799

<212> DNA

<213> Homo sapiens

<400> 3127

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 aatgcactga acgttgaaag catttctctc accaaattta gaaagttcac ccaggaagct 720
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 ggtaaccnca agganaaaa 799

<210> 3128

<211> 658

<212> DNA

<213> Homo sapiens

<400> 3128

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cgcatgttca actttttatt gtggtcttat aattaaatgt aaaattgaaa attcatttgc 600
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<210> 3129

<211> 781

<212> DNA

<213> Homo sapiens

<400> 3129

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 atgtggacaa ttgccaaaag gactgtccga tgaccagaaa gcgctttgaa aaacgactga 720
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 t 781

<210> 3130

<211> 744

<212> DNA

<213> Homo sapiens

<400> 3130

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<210> 3131

<211> 693

<212> DNA

<213> Homo sapiens

<400> 3131

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caattgcata aaaggttttt gggaagggaa cca 693
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<210> 3132

<211> 775

<212> DNA

<213> Homo sapiens

<400> 3132

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<210> 3133

<211> 805

<212> DNA

<213> Homo sapiens

<400> 3133

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catgaaacaa ccctgaattg gcttgaatcc caaaaaggtg gaaggtcccc ntngaaccca 780
aaaatttgtg aatactgccc ncccn 805

<210> 3134

<211> 624

<212> DNA

<213> Homo sapiens

<400> 3134

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<210> 3135

<211> 423

<212> DNA

<213> Homo sapiens

<400> 3135

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 ggaaagccaa accaaacagg aagcttactt ttctctacct agccgatgat gtcatacggg 360
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<210> 3136

<211> 484

<212> DNA

<213> Homo sapiens

<400> 3136

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<210> 3137

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3137

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<210> 3138

<211> 890

<212> DNA

<213> Homo sapiens

<400> 3138

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<210> 3139

<211> 785

<212> DNA

<213> Homo sapiens

<400> 3139

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<210> 3140

<211> 809

<212> DNA

<213> Homo sapiens

<400> 3140

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gggttgagaa gaggaaaaga acttctcatt ttctatcaga taagaatcac attagaaact  180
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<210> 3141

<211> 787

<212> DNA

<213> Homo sapiens

<400> 3141

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 aaaatggncg aaaggcgtcc taaagcatat tganggaaca cttgacagg accaaagggt 720
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<210> 3142

<211> 281

<212> DNA

<213> Homo sapiens

<400> 3142

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 ccagcaccca ggtgaaatat acagccttgt tgctcacaca aagcctgttt ggtggtttct 240
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<210> 3143

<211> 784

<212> DNA

<213> Homo sapiens

<400> 3143

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<210> 3144

<211> 853

<212> DNA

<213> Homo sapiens

<400> 3144

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<210> 3145

<211> 871

<212> DNA

<213> Homo sapiens

<400> 3145

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871

<210> 3146

<211> 633

<212> DNA

<213> Homo sapiens

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<210> 3147

<211> 651

<212> DNA

<213> Homo sapiens

<400> 3147

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<210> 3148

<211> 753

<212> DNA

<213> Homo sapiens

<400> 3148

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<210> 3149

<211> 759

<212> DNA

<213> Homo sapiens

<400> 3149

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gcctggggca caaggagat gagccaggaa gctctgccac caaacannga gggcctggtg 660
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<210> 3150

<211> 708

<212> DNA

<213> Homo sapiens

<400> 3150

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ctaccagttg ctgtcggcgc tacagagcct ggtgaaggag ttgccagct ctttccagca 180

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gcgccctgtcc tacaccacgc tcagcgacct ggccctggcg cttctcgacg gcaccgtgtt 240
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 agaactagag gccgtggaac accggatccg tgaggagcag cgggcgatgg accagaagat 480
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 ggctggcttc tacgtgacca ccaaccacaa ggagctgatg ctgcanattg aacctgctgg 600
 nactcatccg aaagcttcaa caaaggggct gccggggcaa ggaatgcanc cctgggactg 660
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<210> 3151

<211> 844

<212> DNA

<213> Homo sapiens

<400> 3151

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 tacgtgtcga gaactttctc gagccactgc cgaattggaa cgagcatgga gagaatatga 180
 taagttagaa tacgatgtaa ctgttaccag gaaccagatg caagagcagc tggatcacct 240
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 gaaataggtt cccactttcc tgttggagta gtccctccaa gagcaaaatc accaacaccc 420
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 gagaagaaaa aagggttaaa tgttatcggt gcttcagacc agtcaccctt acaaaggccc 660
 ttcaaattta agggataatc catttaggac tactcagact cnaaaggagg gatgataagg 720
 gactgggcac tgccattaga gaaaaatgan gtaaaggtea ggnccatgga aactcccgga 780

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<210> 3152

<211> 635

<212> DNA

<213> Homo sapiens

<400> 3152

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 agccaccagc tgtgtcaaat agttctggac ttttgggagt gctaccccca aatataccta 180
 acaattctgg actttagtag gtacagccac caaatgttcc aaatactcct ggacttctgg 240
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 aaccagaaag acctttttta gctcctggaa gacaaagcgt gacaatgtta ctaaccaga 540
 anaaaggata ccacttggga atgataacat tcaacaggaa ggagatagag attaccggtt 600
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<210> 3153

<211> 678

<212> DNA

<213> Homo sapiens

<400> 3153

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agagctacct tcatttctat cactttccca agctgtcatc cccgccggct gtcattgggaa 180
 ccctgtctgt aagatgcgac agtttgggta aaggagtttg gtcattttaa agagtgtgaa 240
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 ggtgctcatt gcaagatcag cgataagggt ttctttgtag gtcgggtggct ttcctgggtg 540
 agtacatttc aacatantat tggttttaga acctgtgtgc tgccagntna ctttgcaaca 600
 ctgttgaaga ctanccaccc tttgngacct accctccttg ggaaaatggc ggaggatctc 660
 angggtatat ccccttac 678

<210> 3154

<211> 744

<212> DNA

<213> Homo sapiens

<400> 3154

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 gcctctcctc tggttgcccc gctggctgca ggctgtcatt taaccttccg cccagcatgc 180
 ttttgagtgt gcagaagtgc tgcattgccct ctcttttgaa aacctgttga gcaaattgct 240
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 gnaagcaaca agggatgcac ttgaccccc caaaaccaat acatacatcc ttcaatttat 660
 tcctggncct caaactgtca aatctggtna gggttcttca accccaatct ccnttgaggc 720

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744

<210> 3155

<211> 590

<212> DNA

<213> Homo sapiens

<400> 3155

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tctgccactc agccgcggcc ccgtgccagc caaaccacc gtgctcttcg agaagatggg 180
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anccgagagc aaagagagcg tgggtctccg ggacagctcn aagagagagg gcctcctggc 480
accacccta gacctggcca ggagcgccct ggggtgggcc ccaaggagcc aagcacnggc 540
tgangcccca tgcaagactg anaaagaanc caanaccccc cggggagttt 590
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<210> 3156

<211> 750

<212> DNA

<213> Homo sapiens

<400> 3156

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aatgtcaaa aagaccatct tatgccccac ctcccacccc agtcctgca acacaaatgc 180
ccagcacacc agggtttgtg ggatacaatc catacagtca tctgcctac aacaactaca 240
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ggctgggagg gaacccgggc accaacagcc gggtcacggc atcctctggt atcacgattc 300
 caaaaccccc aaagccacca gataagccgc tgatgcccta catgaggtac agcagaaagg 360
 tctgggacca agtaaaggct tccaaccctg acctaaagtt gtgggagatt ggcaagatta 420
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 gacaatctcg catggagaaa aggagaaccg tacatgagca ttcaacctgc igaaagattc 660
 aagatgatta tgatgatggc ttttcaattg aagcatacaa gccaccggcc ccgttttcca 720
 ngangaaaa ccaacggcct ccanncangt 750

<210> 3157

<211> 694

<212> DNA

<213> Homo sapiens

<400> 3157

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 tctcaataaa atgctaactt gccagtgatt aaatgagtgC ccttccaaag ttctcttttta 180
 ccagaaatac agtggattga gactagaaca ttgctttcat ttgggtttgt aggttttaaaa 240
 atctgattct aatcagaagt atatttagaa caaaacactt tatttataaa agatgactcc 300
 aaaattcatc ttagtatttc accatgttat atattattat cagcaagtcc ttctgaatat 360
 tatcacagat tactccatgt ctctaaaata tattggcatt gagctcattt gttaggtttg 420
 cccaccttat tgaacagatt tattttcctt atacatactt gtgttgctct tggttacgtg 480
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 tttatgtaat ttttaaggggc cttttcagtt catccttttg caaaaccatc accacttaat 600
 tatacttttg catcagtcta gaagactgca tattggnaaa gcaangtaaa tctannatga 660
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<210> 3158

<211> 908

<212> DNA

<213> Homo sapiens

<400> 3158

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ctaagatgcc aggacatcct ggaagctggg aaaagatgga gtttcactct tgttgcccag  180
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gttacagaga atgtcntaac agggcccagc acacaaagtg aagattgggg tttgtcctat  660
gcacactnca ccaaaccitt tacagttgtc aaccctggac caattgacaa gagtctgcta  720
agtggaaggg tcctgaaatt acaatgtgga acacaagtcc cgcaantttg ggaatttgtg  780
acctgggtcaa natggtgaaa catcctgggc taacaagttt gggaatgggg gactccattt  840
tcctaaatcc aagcttcaat agggaaaggn tgaaaaantn cncctaacct gggacncaaa  900
tttgggtga                                     908

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<210> 3159

<211> 187

<212> DNA

<213> Homo sapiens

<400> 3159

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 ctccagtccc ggagcgcggc ggggaggaag gaagcggcgg cggcgggtggc cgaggcggng 120
 aggcggctgg gccggggcct gagctgccgc ggcggccgct cctcggtagag caccggcnt 180
 ggngcgc 187

<210> 3160

<211> 602

<212> DNA

<213> Homo sapiens

<400> 3160

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 atatattata aaagggttta ttgtcccttg tttatgttaa aatgcttggt tccatgaggg 120
 gtttcttccc tctcaatgcc cctagcccct tgggaaccag aggccccaga gacagtgtgg 180
 gctcctcagc gtagcctctt ggtgacagca tgcgtgcct gggcaggcac agtgctgctg 240
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 ggcgccctga tctcagcagc gggtcggcat gccagactct cggagccctc agctatcttc 420
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 gaagcatgcc cggaggctca gcatgaagca ctctgtaccc agctctacct cctcattgtc 540
 cttcanccag tgtgtacctt cagccangcc tgnccctcnt gtggganggg cagtccccaa 600
 gg 602

<210> 3161

<211> 300

<212> DNA

<213> Homo sapiens

<400> 3161

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 acctggcgag ccagagcggg gaggccggca ccggtcagct gctcttcgcc agcttcagcc 240
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<210> 3162

<211> 756

<212> DNA

<213> Homo. sapiens

<400> 3162

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 gaatctctga ttgagcaaac cacagctctc aacaagcgag tagaagccat gaaacagtat 480
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 acgtacatct ctggaagaac atcagtcggg cttggnactt ataatgagca agtaccgag 660
 aacaaatggt tanattgcta atggctagca aaaaagatga tccgggtaaa aataatgaag 720
 tttaaagnng caagnactnc caaggattgg catggg 756

<210> 3163

<211> 155

<212> DNA

<213> Homo sapiens

<400> 3163

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agtacacgtt atgatatttg tgctgggttca gggggaagaa ggagcacaaa gtcaaagggc 120
ttcctaccag tggccaatgg gnttaagnag aagna 155
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<210> 3164

<211> 648

<212> DNA

<213> Homo sapiens

<400> 3164

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ataggtgcaa ttgcacaaa ttcacagaag atcaattgaa aatcctcatc aataccttca 180
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aagagtccag aatccagatt tggtttcaga atcaaagagc taggcatgga ttccagaaaa 300
caccagaacc tgactttaga ttttaagccac agccatggnc aagattaacc tgggtgtggag 360
tttcaaaata gagaagccag atgggtgtgt accacctata gcacctttca attacacaca 420
atcatccatg catttatgaa aaaccacata cctgggattg attccggaga acaacttgct 480
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gatttcattc ccagaggaaa aagagaacct ggtatggcct tagaatgngg naagnccaag 600
tgaagnccag ggggaagggt tctgagggac ttcaagnnac aggaggat 648
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<210> 3165

<211> 741

<212> DNA

<213> Homo sapiens

<400> 3165

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aactgatggc attcacttca cacagtcgtc tatgttatcc agagattttt atttcatttt  180
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gtaaattcaa ctataggtta gtcagaatgc tgtttttcgt taattaactt agcctgtggt  420
gatatctcct ccttcctggc cacattcaaa ccttcccaga gtacaaaggg gtatgtagaa  480
aggattccag aagaagtaat actttattct ctaatgttaa tagcttttcc nggatctctt  540
aagtangggg aaagtanaaa atgatggtta acagtatgtg tggngatgtc attatctcca  600
nagagggttc aagaaaatcc tttggaaata aaaagttaaa tggttgcaat tcaaggggna  660
atttcaagtc ctcaaggctt gattaactta cttttttccc tttggccttt gggctggatt  720
ccggccttgg tanataaatn a                                           741

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<210> 3166

<211> 763

<212> DNA

<213> Homo sapiens

<400> 3166

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ttccttcctc ttcctctctt aaaactatct tagatgtaga atcctgggtg agggttttat  180
tttattttta ttttttgacc caataaaatg ttatatgaaa gaatgaaaat attaatttaa  240
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ttacccccac aagatttttt aaaacttgag gtaggtagct acattaaata aatttgctac  360
ttatataaaa atttttatca aactaaact tttaaagttt acaagttttt ttttctttt  420

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ttacagtctt ctatagagtt aggttaaaaa tgtggntcta accatcaaca attgcatggg 480
 taaatgaccc tgaactaaaa ctggatgggt tccctancaa nacaataaa aatatacctt 540
 tttcagggtt caatctgtgc anggtatatg caaggttaaa tccaccaagg cntaagaact 600
 tccacaaaaa tatttcaagg ganaagggcc tgcaatttag acgggaacaa gaaatgggtt 660
 tttccctca ctgggtcccg aatgctcaa nacttgggnt ttaaaatttt tgctaacctt 720
 tttttaana aatcngatt aaggatanga ccaatttaac cct 763

<210> 3167

<211> 727

<212> DNA

<213> Homo sapiens

<400> 3167

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 gattctattc ttaccagtca ctgcacgagt gggttcaggga cacggatgcg gagtttgttg 180
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 acaggagaga tttctttttt tgcatccaag tttcaaagg gaaaacaaag attttttgaa 660
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<210> 3168

<211> 712

<212> DNA

<213> Homo sapiens

<400> 3168

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aagccatttc agtcaggttc tacaccgttg catctcactc acagattcat gcaagcttca  180
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ttcaagctga aggtaccctt tgttacgttg attcagaagg aattgttcga atgcttaaca  600
gaggacttgg taatacgtgg nctcctanat gtnatacaag agagcactgc aaagggaaaa  660
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<210> 3169

<211> 522

<212> DNA

<213> Homo sapiens

<400> 3169

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atgggcgctt ctgtccagct gcacccgagg ccgggggttt ccctcacctc ggtcttccca  180
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aggcccttct ggaacacagc agggcctaca acgaggggcc ttgcatggg gctgtgagga  300
tgggggtggt gggaagaatt ggccacgtta gagaccccat gccacccac catggtgagt  360

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gctctgtgcc tcctgctcac ctgtggtgag ctgggcgagc tgggcgagct gggcgagctg 420
 ggctggggag agcctgtgag gaccganagg agaaatgana anaangaaca naaatattat 480
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<210> 3170

<211> 641

<212> DNA

<213> Homo sapiens

<400> 3170

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 tacacagagc acacttctct gctgatgctg ctgtcgtggt ccatgcagct ctggatgaca 180
 gtgacttctt caccagctat tacactttgg ggaatatata tgcaatgctt ggggaatata 240
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 atagatctct ccagcgaaca ctgaatgagt taaaagagta tcaaaagcag catgaccact 420
 acctgagaca gcaggaaatc ctagaanngc ataaactgat tcaggaggag canatcttaa 480
 gaaatatcat tcatgaggac tcagatggca aaagaggcac aattaggana tcatcagata 540
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 tcatcgtggg ngatatcctt tgnaaatgtn ggctatggtc a 641

<210> 3171

<211> 747

<212> DNA

<213> Homo sapiens

<400> 3171

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 cctgctcttc ccacagtttt caccatcttg gctaacagcc aatgaccag ggctaaaact 240
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 ttcacaatca agctaggatt tgattgcttc tcagttcctt tattgctgtc aacctgggtct 360
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 cagttaattc ttcacattgc tgccatagtt ttacttttaa tatgccagat cacatgactg 480
 cttaaaacgt acgatagctt ttcactcttc ttgggagtaa aagccaaagc cttatcatgg 540
 cttgtaaaat tctgtgtctt ctggcctgca gttaacacct ttgactctac atcctatttc 600
 tctctaatat tctcnaaac atgccaagca ngcttctact tgggggacct ttggcagttg 660
 ctatncccc tcccagtttn cgctttcnc ctaaaaaaaaa ttacataatt ttgttcccca 720
 ttctctcttt tanggccan ctccaaa 747

<210> 3172

<211> 600

<212> DNA

<213> Homo sapiens

<400> 3172

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 agaaattttc ctgcattgct tgtgaggatc ttacataaat caaaactgcg atactatgga 180
 aaacctgata aaaagatgat tgaaccatat cagacctttt tggaagttgc tgacagttca 240
 ggcacagtgt cagtgattat gtggaatgcc ctgtgtcctg agtggtataa aagtttgagg 300
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 cagcctgtcc ccgtggatcc acagatcaaa ctaatttcta caatggaaat ctgcctgaat 420
 cttcgagatc ccccnacaaa tataattatc attccagaaa agcaggtgaa accagaatgg 480
 agactgcaa agctaaatca ccgatttacc ccnaggtcag aaactggatg atatgccnaa 540
 aaattgcac tgtgatgta tnggcnttt atttttgttg gaaagggtcc ancgggtcaa 600

<210> 3173

<211> 686

<212> DNA

<213> Homo sapiens

<400> 3173

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ggagctttca gtggttggat ttcattccctt actggtctca accaaaatat tcctgttggg   180
atcatgatga taatcatagc agcacttttc acagcatcag cagtcattctc actagttatg   240
ttcaaaaaag tacatggact atatcgaca acaggtgcta gttttgagaa ggccaacag   300
gagtttgcaa caggtgtgat gtccaacaaa actgtccaga ccgcagctgc aaatgcagct   360
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tcaaacaata cactgttacc ttttgactgt acctttttct ccagttactg tattctacaa   480
atatTTTTat gttcaaaaca cacagtacag acagcatgga tatttctgtt tcacttgtgc   540
atgggctaaa accaagaaaa cttccttgtc ttattacttt acctaataat tcttaatat   600
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ggggangana ttcnntggaa ttattc                                     686
    
```

<210> 3174

<211> 548

<212> DNA

<213> Homo sapiens

<400> 3174

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gcgctgtccg ggaccagggc ccgaggccac ctgccccccg ggcccacgcc gctaccactg   180
    
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ctgggaaacc tcctgcagct acggcccggg gcgctgtatt cagggctcat gcggctgant 240
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ggaaccgtan cgatgctgga agggactttt gatggccatg gggttttctt ctccaacggg 420
gaacggtgga agcagctgaa gaantttacc atgcttgctc tgcgggacct gggcatgggg 480
aagcganaag cnaagaactg atccangcgg aagcccngtg tctggtggaa acattccagg 540
ggacanaa 548

<210> 3175

<211> 671

<212> DNA

<213> Homo sapiens

<400> 3175

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gcggcgccgc gttgtgcgtt cgacgacgcg gcaccggctt cgacgccctc tgcccgtctc 120
agaagcagta agaagacatg ttggataaca agaagaggtg tagagtttgc atatatcaac 180
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gatttgtcaa gatatttaac cctattttgt ttgaattatg acttaaatgt caaacatctt 300
aactaagaaa agggaaacat tttagttttg gaagtcagaa tgccaaggag aaggaaaaat 360
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gaagaactct tcaccagtat ctacagaaata ttttctgac tgggacctg atgtntgtat 540
ttgatgcttt ctgaatgtga tttcnaagtt gaaaatgcta tggattgtct attanaatta 600
tctgccctg atacnagat agaagaatcc cttccnaan tttcgttgct tctgaaaacc 660
cagttngtgc c 671

<210> 3176

<211> 250

<212> DNA

<213> Homo sapiens

<400> 3176

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aactctccgg gaggggcgct tcccgacgcc aagtcttact gttgctcagg ctggaatgca 60
gtgggtgcgct ctcggctcac tgcaacctct cccttctggg ttcaagcgat tctcgtgcct 120
cagcctccca agtagctggg attacagaca aaaggatgcc acggagaaag aaaaaagtta 180
aagaagtctc cgaatctcgg aaccaggaga acaaggatgt ggaaactacc agttctgtca 240
ntgtnanaag                                     250
```

<210> 3177

<211> 740

<212> DNA

<213> Homo sapiens

<400> 3177

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ggatctccag cagtggcgtt acttctagcg gctggatacc gggttctccg cgagatcccg 60
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ggtgccggcc ccgacaggac ggtgagccta cccgtatatt acaagaaatc tcaagtcaaa 180
cactggaaaa gatgtcagaa gattcagaaa aggaagacta ttcagacaga acaatcagtg 240
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tattagaata tcagctaggg agatgggtgc cagctcttcg tgaaccaagg gatttatatg 420
gtgtctcttc ttctgggtcca ttgagcccaa cacggtggcc atacattgt gaagtcacg 480
atgaaaaagt ccagcatatt gatggagtct catgctggag tgagtctcac caggctggag 540
cgcagtgggtg cgatctcggc tcactgcaac ctccacctcc caggttcaag cgattcgcct 600
gcttcagcct cctgagtagc agagactaca ggcgctgcc accacgcca gntaatttgg 660
natttttagt aaaaacgggg tttcaccatg ttggccagga tggctctccg tcttgacctc 720
gtgatccgnc tgcctcactt                                     740
```


<210> 3178

<211> 638

<212> DNA

<213> Homo sapiens

<400> 3178

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aaaaaaaaaga tgaatcactg caacttgtgg gacagccacc accctgaggt accccagcgc   60
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acaccgcgcc ctgccacaga ggctgagctg ctcacctgtc acagtgctga gtacgtgggt  180
catctccggg ccacagagaa aatgaaaacc cgggagctgc accgtgagag ttccaacttt  240
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gattgggatg tccaccacgg taatggaact cagcacatgt ttgaggatga ccccagtgtg  540
ctatatgtgt ccctgcaccg ntatgatcat ggcaccttct tcccatggg gggtgagggt  600
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<210> 3179

<211> 730

<212> DNA

<213> Homo sapiens

<400> 3179

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cacacaggca ggtcgggcag gcgggtcgca ggttgtaaat ccatgtggcg ggggcttttg   60
accctggcgg cccaagcggc acgtgggcct cgcagattgt gcacgcgccg gagcagcggc  120
gcaccagccc ccggctccgg cgccaccatc ttgcgcgtaa gctctggcca aggccgctgc  180
ggcatcgcag tgatccggac cagcggcccc gccagcggcc acgccctccg aattctcacc  240

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gcaccccgag acctgcccct tgctcgccac gccagcctgc gcctgctcag cgatccccgc 300
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 ctctgccgtg gctgggcccg agaccctcac caaagctttt ggcccacgtg gaggcctata 660
 tcgatttcgg cgaaggatga caacctggga ngganggggt ncctggagca agggccgaca 720
 tcgaaagtac 730

<210> 3180

<211> 819

<212> DNA

<213> Homo sapiens

<400> 3180

atcaatagaa acaagaccgg agagataaca gcctcctcca acaaatecct caacttgcta 60
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 gaaatggaga cgtcagttcc accgggcttc aaagtctttg gcgtcccaa cgtgggtggag 180
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 cttgaggatc caaaagctga agtggtcgat gaaattgctg ccaaacttgg cctgcggaag 780

gttggctgga tatttacaga cctcgtctca naagatccc

819

<210> 3181

<211> 703

<212> DNA

<213> Homo sapiens

<400> 3181

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agcatcccaa agaatttctt gtattcctaa aacccatatt tctaataagt atgggaataa 60
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ctttaattgt agctcactgt taaaaaatg tcagataatc catttaggag agaaaaaata 180
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caagtgtaat gagtgtggca agacctttgt tcaaaattca tctcttgtaa tgcataaggt 660
cattcatact gganagaaat gtccaggtgn aatnaatggg cca 703
    
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<210> 3182

<211> 798

<212> DNA

<213> Homo sapiens

<400> 3182

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aacttactgc atatgcaact caactcactg cgtatgcaac tcaactcgca ctgcgtatgc 180
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tanggagtga cgtttttt 798

<210> 3183

<211> 825

<212> DNA

<213> Homo sapiens

<400> 3183

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 gaacagatgt tatatagatt tcctatgatg atggaacatt ttatccaaga aatgagatgc 780
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<210> 3184

<211> 831

<212> DNA

<213> Homo sapiens

<400> 3184

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 gccttcagaa tcagacactg cccgatatgt tacatcaaaa attcttcac tggtcagag 240
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 gaattcagta tccttaggga aaaatggagt tgtggaactg atgtttaaaa tcattggacc 720
 atttagtnag aagaattcca gtcttataaa ggttgcttta gacactcttg ctgcattgnt 780
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<210> 3185

<211> 824

<212> DNA

<213> Homo sapiens

<400> 3185

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caagcgatcc tcccacctca gcttccaag tagcggggac tgcaggcaca tgccaccaca 180
cccagctatt tttttttatt gtttgttgag acagggtctc actatgttgc ccagggtggt 240
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ctcttctccc caacatctta tggccaggtc ttcaggctct tttctgncta caggcactct 720
tcatgagtc ttattcaagc tcctggcctc aaatgccagc tgtgctgaga ccccttatt 780
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<210> 3186

<211> 777

<212> DNA

<213> Homo sapiens

<400> 3186

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gacatggcgg cggcctctgc ggtgtcgggt ctgctgggtg cggcggagag gaaccggtg 180
catcgtctcc cgagcctgct cctgccgccg aggacatggg tgtggaggca aagaaccatg 240
aagtacaaa cagccacagg aagaaacatt accaaggctc tcattgcaa cagaggagaa 300

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attgcctgca gggatgatgcg cacagccaaa aaactgggtg tacagactgt ggcggtttat 360
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<210> 3187

<211> 854

<212> DNA

<213> Homo sapiens

<400> 3187

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 tgacacccat ttgcttgggg aattcctagg ccactggctg gacaaattac gaagggaatg 300
 gcagatggag agagcgttcc agacagctct gtggttgctg cagccggaag tcgtcttcat 360
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 ggagcggttt cagaaaatgt tcagacaccc aagtcattga cagctgaagg tagttgctgg 480
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accgtggntt ccag

854

<210> 3188

<211> 829

<212> DNA

<213> Homo sapiens

<400> 3188

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tggtcattgc aagatcatta tagaatgtat tcaccataa tataccaagc cctctgtgag 180
cacgtgcaga ctcagatgtc actgatgaat gacttgactt caaagaacat ccctaattgga 240
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caaaaacat ctggtgctgt ggattgcaac cttgaattgt tttctcttca gtcattgaat 660
atgtcactgc aaaatcaatt ggaggagtca ctaaagagcc aggaattact gcagagtaaa 720
aatgaagagc tgttaaaagt gattgaaaat caagaangat gaaaaccaa aatttagtag 780
tatatttaaa ggccaaggat caaactatac ttggaaaatt aaccgcant 829

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<210> 3189

<211> 837

<212> DNA

<213> Homo sapiens

<400> 3189

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 gctgttgtct tccaactcag cggcaggaca acttgccttt gatgattttc aagagagttg 180
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 ttctgcaacc caatttttca gccccantg ggatgatgtg gtctggaact gaaagtgatg 780
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<210> 3190

<211> 853

<212> DNA

<213> Homo sapiens

<400> 3190

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 cttagcatct gacagcaggt ctaaaggaga acccaggat tctgggaccc tccagagcca 240
 ggaggccaag gctgtgaaaa agaccagtct ctttgaggaa gacaaagaag atgatctttt 300
 tgccattgcc aaggacagcc aaaagaagac ccagagagtg tcactcctct ttgaagacga 360
 tgttgatagc ggaggctctc tgtttggctc tcctcccaca tctgttcctc ctgcaacaaa 420
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 aaacattatc cangcttcac agaaagaagt aggaaanggc tgcgatcctt gatgcccacc 780
 ccaagagccc aggtgtcttt caggatgaaa agctgctttt cagccccaag cttcaaaagg 840
 gcaatgancc cnt 853

<210> 3191

<211> 828

<212> DNA

<213> Homo sapiens

<400> 3191

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 gtcagtactc ttcgggggtac ttnccacgtt ttccccatca acccttatgg tggncaacct 780
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<210> 3192

<211> 763

<212> DNA

<213> Homo sapiens

<400> 3192

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tcactgttaa ctgaatttat tgtttttagac ttttttcttg catttatgta aacctgactt  180
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caaagttgat ccagttctct acatttgggc atttaggtta ttttcaatag tttgcattca  360
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taagttttga ttttatcact attacatcac tataccaaat atccccaaa agattatacc  480
agtaaagtgc ttttaaaata taataataaa taccagccgg gtgcagttgc tcacgcctgt  540
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agccttggtg acatggcaaa acccttctct actgagaata caaaaattag ccggtcatga  660
tggcggccac ctgtgggtccc agctgctcag gaggtcagag caggaggatg gcttgagccc  720
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<210> 3193

<211> 841

<212> DNA

<213> Homo sapiens

<400> 3193

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agtaattttc agtcacaaaa tgatgaagaa atccataacg tcggaacttc cttgaccttt   60
ggatttggca cattgacctg ctggatccag gctgcgctga cactcaaggt caacatcaag  120
aatgaaggac ggagagttgg aattccacgg gttattctgt cggcatctat cactctctgt  180

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gtggtcctct acttcatcct catggcccaa agcatccaca tgtatgcagc cagggtccag 240
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 cgagtagggc aggccaaatg ttccttgga gtaatgcaa cttccgacgt tgccttcagg 780
 tcccaanggc ttggaaccag ctctgagga agttctgaat ctgcactaat attcttgagt 840
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<210> 3194

<211> 848

<212> DNA

<213> Homo sapiens

<400> 3194

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 tgctgccagg cacgtcaaca ggcaataatc aaagcactat cactctatca gttgcttctc 180
 agaacttaac tttcaccagc agcagctcac cacctaagtg tgactcaatc aataaagacc 240
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 atcaaccctt gaattcctct gcccttgta tcagtgttc agctttggaa cagcaaaca 540
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 agcactctga tatcaatgac ttagagaaat ctgtttggga attagnaagg aatgccacag 780
 gacacatata gncagcagct acatagccag atccaggaat cttctttaaa tcaaattcaa 840
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<210> 3195

<211> 653

<212> DNA

<213> Homo sapiens

<400> 3195

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 ggaaaggggc catgattggc tgctttgtgg ttttatTTtg gttctttcca ttctccgcca 180
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 ctgttgggaa atgtgactct tggaggaagg tggggaggga gtggccttgc cagccctgtg 480
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 aaggaaatct ttcatcttan aaaacttctg gtccttaacg canggtggta tttgggtatg 600
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<210> 3196

<211> 836

<212> DNA

<213> Homo sapiens

<400> 3196

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tctgaacgtg gcacacaaat acactatgga acacttcatt gaggaataa aaaaccaaga 180
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tggcaaaatc tggactgtga tgccttccat gtcaacacat nggcacggct tagtgtacca 780
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<210> 3197

<211> 789

<212> DNA

<213> Homo sapiens

<400> 3197

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tctactcatg attctccaac ctccaggctg gactggactt agcccagcct aaaagatgaa 120
agtgtgtgtg tgtgttacat atagataaca tatgtgttat atataggtat tacacataac 180
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atttgttgtc taagctcatt agagatgaaa aacaactgct cgtcatttac aattcatcag 360
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tgtcaagagt gcctgcaggg aatgaaagtg aaagtgcagt aaagagcaag tttatgagtt 720
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<210> 3198

<211> 803

<212> DNA

<213> Homo sapiens

<400> 3198

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<210> 3199

<211> 770

<212> DNA

<213> Homo sapiens

<400> 3199

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ctccttgtag ttttgcctta ngttctcang ggacaatagn cttcatgttg gattcttcaa   720
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<210> 3200

<211> 757

<212> DNA

<213> Homo sapiens

<400> 3200

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cataaacatt accaaatata tcgcattaga catttttaca tgagaaaagt caaatttact   180

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caacagaatt accatgatag actttcaciaa attctaacag atttcccaa attggatgat 240
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 ctacgttggc aggttgtaga cacttctggg atcctggacc accctntgga ggataggaac 720
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<210> 3201

<211> 768

<212> DNA

<213> Homo sapiens

<400> 3201

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 aataagaagg cctccagttt tcatgagttt gcacggaata ccagtgatgc ttgggacatt 360
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 tctggggccc cccaatgac .tgtccgggag aaaaccgct agaaaaattc cgtcagcttc 720

tnttcagcca naacactgac ttagatgaac tgaggaagtg tancttgg

768

<210> 3202

<211> 815

<212> DNA

<213> Homo sapiens

<400> 3202

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ctgttcatca caggataccc aactttaagg ggtcttatct ggcttgccaa aacatcaaag	180
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ncacaggctg caagcgccca aagccaatgg gaatcacctg gntcaagatc agcctggaga	720
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gtcacccttc anggtgagca ccaacaacct tteng	815

<210> 3203

<211> 512

<212> DNA

<213> Homo sapiens

<400> 3203

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 gtgggcatgt atgataagaa gccagcaggg cctggctccg gccctcccgc caccgccgnc 420
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<210> 3204

<211> 777

<212> DNA

<213> Homo sapiens

<400> 3204

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<210> 3205

<211> 807

<212> DNA

<213> Homo sapiens

<400> 3205

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<210> 3206

<211> 856

<212> DNA

<213> Homo sapiens

<400> 3206

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<210> 3207

<211> 857

<212> DNA

<213> Homo sapiens

<400> 3207

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 ccgaacggcc cccaaggggc gggcgctgtg caattcatga tgaccaataa actggacacg 420
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 tatacgaana aggtccttga cgcaaggggc tcaaatagtt tacctctgct gaatctgnct 780
 tggacaaatt aagtgctaata caacaaaata ttctgnaatt cattgcttgc aatgnaatat 840
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<210> 3208

<211> 860

<212> DNA

<213> Homo sapiens

<400> 3208

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<210> 3209

<211> 863

<212> DNA

<213> Homo sapiens

<400> 3209

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cttcccatgc agggagggca aagaagaaag tgctttggaa tggagatacc ccttttcctc  180
ctcctgaatg tatcagagtt agttatcaat gctgactgag tgtgcactct cctagacacc  240
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<210> 3210

<211> 782

<212> DNA

<213> Homo sapiens

<400> 3210

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 acattaccaa atacatcgca ttagacattt ttacatgaga aaagtcaaatt ttactcaaca 240
 gaattacat gatagacttt cacaattctt aacagatttc ccaaattgg atgatattca 300
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<210> 3211

<211> 851

<212> DNA

<213> Homo sapiens

<400> 3211

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<210> 3212

<211> 847

<212> DNA

<213> Homo sapiens

<400> 3212

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<210> 3213

<211> 838

<212> DNA

<213> Homo sapiens

<400> 3213

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<210> 3214

<211> 852

<212> DNA

<213> Homo sapiens

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<210> 3215

<211> 836

<212> DNA

<213> Homo sapiens

<400> 3215

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<210> 3216

<211> 839

<212> DNA

<213> Homo sapiens

<400> 3216

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 ggagaaacct gatgattcat tncacacact atgatctgcc ttctagtaag gtcaatgaaa 780
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<210> 3217

<211> 831

<212> DNA

<213> Homo sapiens

<400> 3217

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ttgngatgta tttggatttc taataaaggt aatggtagcc ccataaaacg atctgggaaa  780
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<210> 3218

<211> 786

<212> DNA

<213> Homo sapiens

<400> 3218

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<210> 3219

<211> 707

<212> DNA

<213> Homo sapiens

<400> 3219

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gatccctaca acgacctcgt taaggaggag ctgaacatca tccaaggggc gctggagctc 600
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707

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<211> 706

<212> DNA

<213> Homo sapiens

<400> 3220

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<210> 3221

<211> 744

<212> DNA

<213> Homo sapiens

<400> 3221

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tcttaacagt tattcagtta ttaaataag tcttgaaggt gatgaaatat gaacgttgtc 180
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<210> 3222

<211> 804

<212> DNA

<213> Homo sapiens

<400> 3222

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<210> 3223

<211> 704

<212> DNA

<213> Homo sapiens

<400> 3223

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 tcggggactt ggccancgtg gtatttggga gccagcggcc cttcttgatt ctgtggccca 660
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<210> 3224

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3224

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<210> 3225

<211> 644

<212> DNA

<213> Homo sapiens

<400> 3225

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<210> 3226

<211> 645

<212> DNA

<213> Homo sapiens

<400> 3226

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<210> 3227

<211> 865

<212> DNA

<213> Homo sapiens

<400> 3227

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<210> 3228

<211> 859

<212> DNA

<213> Homo sapiens

<400> 3228

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<211> 820

<212> DNA

<213> Homo sapiens

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<211> 860

<212> DNA

<213> Homo sapiens

<400> 3230

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<210> 3231

<211> 886

<212> DNA

<213> Homo sapiens

<400> 3231

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<211> 599

<212> DNA

<213> Homo sapiens

<400> 3232

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<211> 868

<212> DNA

<213> Homo sapiens

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<210> 3234

<211> 867

<212> DNA

<213> Homo sapiens

<400> 3234

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<210> 3235

<211> 839

<212> DNA

<213> Homo sapiens

<400> 3235

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ccaccgggcc ccagggcctt cgtaggagc ccagcaggct caacttcttg ctgtggttct 240
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gaaatgagac ggctccgagg gaagagcttg agggagcggc gtcgcactcg ttcgaccttc 360

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ccgggcctgg gctttgtttc taggcatttt aggttgaacg ctctacatct taactgaggg 420
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 ccattttact cagcctcgga ctatcaaagg atggtcacat ttgaaactgg ttttctgcan 780
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<210> 3236

<211> 864

<212> DNA

<213> Homo sapiens

<400> 3236

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 tcatgaagac aatagatgat ttgctgcggt gtggaatttg cttcgagtat ttcaacattg 180
 caatgataat acctcagtgt tcacataact actgctctct ctgtataaga aaatttctgt 240
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 aagtatatac tcctgtagcc tccagacagt ctttaaagca ggggagcagg ttaatggata 480
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 ctttgaaaca agttactaaa gtggattgtc tgtttgcggg gttaacattc cagaaagtca 720
 cattaataag catttagaca gtggttatca cgccaagaga agaaggaaag ccttagaagt 780
 tctgtcaciaa aaggaaccgc tgcccaaaac tgnatataat ttgctctctg atcgtgattt 840

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864

<210> 3237

<211> 811

<212> DNA

<213> Homo sapiens

<400> 3237

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<210> 3238

<211> 857

<212> DNA

<213> Homo sapiens

<400> 3238

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 caagcagcac aaataaagct ttgagaaaa cttcaaaagc aggaacaggc tcgggttgct 780
 aaagaagcca aanaacaaca gcaataatgg ctgctganga gaagcggaag ccaaaagaac 840
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<210> 3239

<211> 864

<212> DNA

<213> Homo sapiens

<400> 3239

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 gggctgagca ccagaaaacc tgtggaggca cttacataaa aatcaaggaa ccagagaatt 780
 ctcaaaaaaa ngcaaaggaa aggcaaaact nggaaaggaa ccatattggc cgagagaat 840
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<210> 3240

<211> 559

<212> DNA

<213> Homo sapiens

<400> 3240

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 cggtgccagt ccagtggcg ccggccgttc cccaagagg gggcacggac acagccgggg 480
 agcgcggggg ctctcgggcg cccgaggtct ccgacgcgcg gaaacgctgn ttcgncctag 540
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<210> 3241

<211> 871

<212> DNA

<213> Homo sapiens

<400> 3241

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aacttccttc caaccgaagg ccctggcttg caaaacttgt ggtngggccc ttttactttt 840
ggaaaaaccc gcnaagggnc cttgggccaa g 871
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<210> 3242

<211> 811

<212> DNA

<213> Homo sapiens

<400> 3242

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tcaacgcctt ccagaaactt cagactcgac ggaacttctg gtctgtgact caccagcaa 180
aggctgccag cctcagctat cgccgctgac tgtgcccttg tggaaggagg actaccgtgg 240
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<210> 3243

<211> 806

<212> DNA

<213> Homo sapiens

<400> 3243

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 ctaagcagca gccacaggat aattttaaaa ataatgtaaa gaagagccag cttccagtgc 180
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 aaaatgctgt gagtccagct tttaccagtg atgacacaca agatggagag agtgggtgtg 540
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cagggattct gcagccagat gcttagtnaa gaaatggatg cttgggtacc cgcctactca 780
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<210> 3244

<211> 796

<212> DNA

<213> Homo sapiens

<400> 3244

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attcgaagta acattttttac agcagtcaaa acttttaacc aaaactcaca cctgcagtct 180
cataagttta acaaaatggc cacattccac gctttatttt cttacaacc ctgactgttt 240
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<210> 3245

<211> 714

<212> DNA

<213> Homo sapiens

<400> 3245

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 gcatcgtttg taaagaaacg taagctcaag gtgtcacagg agccatttgt cttnccgag 660
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<210> 3246

<211> 763

<212> DNA

<213> Homo sapiens

<400> 3246

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<210> 3247

<211> 861

<212> DNA

<213> Homo sapiens

<400> 3247

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<210> 3248

<211> 721

<212> DNA

<213> Homo sapiens

<400> 3248

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<210> 3249

<211> 841

<212> DNA

<213> Homo sapiens

<400> 3249

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<210> 3250

<211> 857

<212> DNA

<213> Homo sapiens

<400> 3250

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<210> 3251

<211> 754

<212> DNA

<213> Homo sapiens

<400> 3251

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 actttttgaa tctctccaca cagctgtctg gatttcatat ttgtattgac aaagggactt 360
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 tgtgagactt tttcttgac gaattcaggg agttgaccac atttggccat ttcccanaag 660
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<210> 3252

<211> 736

<212> DNA

<213> Homo sapiens

<400> 3252

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aactgtcgag aagtgattat tacaccaaatt tctgcatggg gtggagaang cancctagga 660
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gaaaaattct ctttca 736

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<210> 3253

<211> 655

<212> DNA

<213> Homo sapiens

<400> 3253

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ggagcgctg gaccagtatc ggcaggatgg agtcagggtg ggggtgaggg atcacgctat 540
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<210> 3254

<211> 755

<212> DNA

<213> Homo sapiens

<400> 3254

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ggcancaggt ggtataggaa aattagaggg agangaccgt gatgtaaaat gcctgtcaga 720
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<210> 3255

<211> 834

<212> DNA

<213> Homo sapiens

<400> 3255

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gtcgacgccg ccgctcgtcc gtcctcccgt ccgttctcgc tcccggccgc catcatgtctg  180
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<210> 3256

<211> 658

<212> DNA

<213> Homo sapiens

<400> 3256

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ccttagagtg gagcaatgag tcgcccttga ctgagtaact cttcggggtc aacttctcct 480
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<210> 3257

<211> 710

<212> DNA

<213> Homo sapiens

<400> 3257

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 aaaaaaacac ataaacctga ctaaactcgg cttaaagtga caaaaacatc ctggaaatga 240
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 tgtgaaggat gttctgttaa aagatgatct tagttgggca gaaacagggtg tggccctttt 660
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<210> 3258

<211> 826

<212> DNA

<213> Homo sapiens

<400> 3258

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 ccgatgcggg cgccccggga tagcgtgggc gaggctgcgg ggccccggcg cgcacgcccc 180
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 agatattgat cccaacattt acttgagta taatttctt gaaacgacta tcaagtttgc 720
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<210> 3259

<211> 842

<212> DNA

<213> Homo sapiens

<400> 3259

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 ctaatctcag attggcagtt aaagtcaaaa tgttgccaaa tatttattcc ttttgcctaa 780
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<210> 3260

<211> 843

<212> DNA

<213> Homo sapiens

<400> 3260

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 tgagtggaga ctagacgagg ccacggacag cttcttccaa aaccagact cgtccacag 180
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 aaattagtgt tatctggaag gtttaaattt ttagatctct ggacacattc ttaatggaac 780
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tgn

843

<210> 3261

<211> 761

<212> DNA

<213> Homo sapiens

<400> 3261

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aacctcaagg agctgcggga gcgagtactc agagggaagt accgggtccc tttctacatg  180
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acgagcacgg gggaagcgga gctgaangaa gaaccggctt gncaggcccc gaaaggcgaa  720
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<210> 3262

<211> 776

<212> DNA

<213> Homo sapiens

<400> 3262

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 ggagctcagc tgcattggaan gcagcttgcc gttgttcgtt cccaaccagt gagctggaaa 720
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<210> 3263

<211> 768

<212> DNA

<213> Homo sapiens

<400> 3263

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tctgtctcaa aacaaaacaa aaaccacaca cacatacaga aatnaagaga aatnatcaac 720
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<210> 3264

<211> 840

<212> DNA

<213> Homo sapiens

<400> 3264

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tacttccatt ctgtttacag ttagctgagc agatgacaca gtcngatgca caggataatg 780
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<210> 3265

<211> 846

<212> DNA

<213> Homo. sapiens

<400> 3265

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<210> 3266

<211> 872

<212> DNA

<213> Homo sapiens

<400> 3266

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<210> 3267

<211> 844

<212> DNA

<213> Homo sapiens

<400> 3267

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aaga 844

<210> 3268

<211> 726

<212> DNA

<213> Homo sapiens

<400> 3268

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aacaggaagc catgcggcga gccaccgtgg agcgggagat ggagctgcgg cacaagaatg 660
agatgctgcn agtggaagcc gaagcccggg cgcgcgccaa aggccaaacg ggagaatgcc 720
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<210> 3269

<211> 704

<212> DNA

<213> Homo sapiens

<400> 3269

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cagctagcct gggcatcttc cctctgtgtg atccatttca gggcctgttg cttggncttt  660
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<210> 3270

<211> 741

<212> DNA

<213> Homo sapiens

<400> 3270

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ttgtctaccc cgggaccccc gccacggcgg gctcgggacc gcgcgccggg agctgcgggg  180
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cctgctgctg gtgctgtctt ggggactctt cttcctgtac ctttcagtag acattaccct 600
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<210> 3271

<211> 855

<212> DNA

<213> Homo sapiens

<400> 3271

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aggacactac taatctagtc ccttgcaactg ggtcagcctt tggacaggac ccagccctgc 180
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<210> 3272

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3272

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caagtacccg tccatcatag tcaactgcgt ggaagagaag ccaaacgaat gcaatgggtgt 180
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<210> 3273

<211> 728

<212> DNA

<213> Homo sapiens

<400> 3273

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gcagcccgcga ggcggcgccg agggcttcca cctccacggg gtgcaggaga actccccagc 180
ccagcaggcg ggcctggagc cctactttga cttcatcatc accattgggc actcgaggct 240
gaacaaggag aatgacaccc tgaaggcact actgaaagcc aatgtggaga agcccgtgaa 300

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gctggaggtg ttcaatatga agaccatgag ggtgcgcgag gtggaggtgg tgcccagcaa 360
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 caagtcagac tcctgccggg aggtgactgt aactcccaac gcagcctggg gtgganaggg 660
 caggtacttc gtggggttgg agggctgnan ggccaggtgg gttggggcct gacattgggc 720
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<210> 3274

<211> 834

<212> DNA

<213> Homo sapiens

<400> 3274

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 ttgggtaagt tggcctttcc ttaattaaaa gaagttaatg ctaagaattt ctgtggtgca 480
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 aaccccgtgt ctacctaataa tccaaaatta gccagcctgg tggcacacac ctgtgatccc 780
 aactacttga aaggttangc aggaaatact tgaccccgga aaaggtncgn gact 834

<210> 3275

<211> 780

<212> DNA

<213> Homo sapiens

<400> 3275

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ccaggaacat cagcaaagag aaccaaagaa aaaatgtctg tcaaaggcag taaagtgtct  180
tgccctaaga aaaaggcaga gcacactgac aaccccagac ctcagaagaa gataccaatc  240
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cccaagangc ctttggtgtc aagtgggtgtg tggatcatgg gaaaagtctn ccttgcagac  720
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<210> 3276

<211> 790

<212> DNA

<213> Homo sapiens

<400> 3276

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agtaaaggcc ggaccagaat atggccaagg gatgaaccct attagccgcc tggcgcaaat 180
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 aacctttaa acaactggaa tatttagcaa ggattcaagg ctttcaggtg tgaattaaaa 780
 gcaaaaaccn 790

<210> 3277

<211> 638

<212> DNA

<213> Homo sapiens

<400> 3277

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 taaagctatg cacatatctg gctcagacct ctttctcagt gcaagttaca tctataacca 540
 ttattgtgac tgcaaagacc aacattatta ctttctggg gataaaatca atgatgtgat 600

ctgnctttca atggaaagaa tatntcgtat nacacctg

638

<210> 3278

<211> 703

<212> DNA

<213> Homo sapiens

<400> 3278

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 aaatctatga ttactgcag tagtatgtgc ttaaaacaac tgttgaggtc ttttaagcag 180
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 aaaaactgat tatgtataaa tactgatatt tcacatacgg agatatttga agacccaagt 420
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 gaatttgcatt ttgttacatt acattgccag cgcatatcat ttagcaagtt ggcattaaca 600
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<210> 3279

<211> 752

<212> DNA

<213> Homo sapiens

<400> 3279

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cttcgttgct cgcacagctc cctgcccagg ctaggaggcc ggcttgcggg gttgagtggc 180
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<210> 3280

<211> 791

<212> DNA

<213> Homo sapiens

<400> 3280

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<210> 3281

<211> 897

<212> DNA

<213> Homo sapiens

<400> 3281

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 ngatgtgtcc agtttggctc tacgggtgatg tgattcttgc aggtaaaaga ccattaggtg 840
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<210> 3282

<211> 777

<212> DNA

<213> Homo sapiens

<400> 3282

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actttgtgga ggatgtcact gacacactta aacgcttctt tcgtgagctc gatgaccctt  720
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<210> 3283

<211> 800

<212> DNA

<213> Homo sapiens

<400> 3283

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agagaatatt tcgttgaaga tacagaatgc cggaccctat gtgaggggcc tcagagattt  360

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gaagaatatg agtatttagg gtataaggct ggtctgtatg aagctattgc agatcactac 420
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<210> 3284

<211> 831

<212> DNA

<213> Homo sapiens

<400> 3284

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<210> 3285

<211> 901

<212> DNA

<213> Homo sapiens

<400> 3285

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<210> 3286

<211> 800

<212> DNA

<213> Homo sapiens

<400> 3286

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<210> 3287

<211> 896

<212> DNA

<213> Homo sapiens

<400> 3287

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<210> 3288

<211> 919

<212> DNA

<213> Homo sapiens

<400> 3288

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<210> 3289

<211> 849

<212> DNA

<213> Homo sapiens

<400> 3289

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<210> 3290

<211> 704

<212> DNA

<213> Homo sapiens

<400> 3290

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<210> 3291

<211> 792

<212> DNA

<213> Homo sapiens

<400> 3291

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<210> 3292

<211> 859

<212> DNA

<213> Homo sapiens

<400> 3292

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<210> 3293

<211> 710

<212> DNA

<213> Homo sapiens

<400> 3293

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<210> 3294

<211> 870

<212> DNA

<213> Homo sapiens

<400> 3294

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<210> 3295

<211> 845

<212> DNA

<213> Homo sapiens

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<210> 3296

<211> 858

<212> DNA

<213> Homo sapiens

<400> 3296

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<210> 3297

<211> 887

<212> DNA

<213> Homo sapiens

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<210> 3298

<211> 799

<212> DNA

<213> Homo sapiens

<400> 3298

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 taagagaagg tggtaacaaga cagaaaacga gtactacctg ctgcagttca cgctgacccg 720
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<210> 3299

<211> 849

<212> DNA

<213> Homo sapiens

<400> 3299

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<210> 3300

<211> 802

<212> DNA

<213> Homo sapiens

<400> 3300

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<210> 3301

<211> 893

<212> DNA

<213> Homo sapiens

<400> 3301

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<210> 3302

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3302

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<210> 3303

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3303

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 cagatgagac agctagttaa gtttaaaaca tagacatgat ttgatgatcg cttgcttgtg 720

gtaaataatc actcngtgn cttggtttta tgcaaactta tcgaacctta nggc

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<210> 3304

<211> 765

<212> DNA

<213> Homo sapiens

<400> 3304

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<210> 3305

<211> 884

<212> DNA

<213> Homo sapiens

<400> 3305

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<210> 3306

<211> 708

<212> DNA

<213> Homo sapiens

<400> 3306

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<210> 3307

<211> 844

<212> DNA

<213> Homo sapiens

<400> 3307

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<210> 3308

<211> 697

<212> DNA

<213> Homo sapiens

<400> 3308

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<211> 770

<212> DNA

<213> Homo sapiens

<400> 3309

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<210> 3310

<211> 865

<212> DNA

<213> Homo sapiens

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<210> 3311

<211> 756

<212> DNA

<213> Homo sapiens

<400> 3311

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<210> 3312

<211> 916

<212> DNA

<213> Homo sapiens

<400> 3312

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<210> 3313

<211> 809

<212> DNA

<213> Homo sapiens

<400> 3313

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<210> 3314

<211> 863

<212> DNA

<213> Homo sapiens

<400> 3314

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 ctttaattaat tttaaattag cttgctcaga aaggatcatgc catacagncc tatcataaaa 660
 ggaacactat aagaattaag caatgaacag catgatttct gatccccagt gaggactgac 720
 agngtataaa agatacangt atgctactgg atgtaccga taattgtttg agagtttcta 780
 gtgaaaaact caaatattgc tagcttaacc acagtagtag ggggcaacct tattatatgg 840
 gagagcttca aacatactg tcc 863

<210> 3315

<211> 786

<212> DNA

<213> Homo sapiens

<400> 3315

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gtatTTTTtc agtaagcacc cagaggcctc cattcaggct gtttttttca gatgcccaaa   60
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gatttggagt tgtccagacg acactaccag ctatccttaa tactttgttg acactgcaag  180
aggcagtcga caagtacttt aagcttcctc atgcttcag taaaccaccc cggatttcag  240
gaagccttgt ggacacttca tataaaacat taagatttgc attcagagca tcaactgaaaa  300
ctgccatcta tcgaataact actacatttg gtgaacatct gaatgctgtg caagcatctg  360
cagaacatca gaaaagactt caacagttct tggagttaa agaatagtta agtaatataa  420
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tatactttaa tgggagaaat catggaaaga aattctcaac agaataactg aaaactgcct  600
tttctgtacc gattgctttt tgtgtgtgtg gtataataaa atctttattc aattttacag  660
aagcattgat ggcagtcgaa atgtctctag ctcatataac ttaataggna ataactaaaa  720
aacttttaga atttactttt gaaangangg gaacccgttc tgaaatgagt atagggtgat  780
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<210> 3316

<211> 662

<212> DNA

<213> Homo sapiens

<400> 3316

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gcactgtgct gcctgtggcc accatccaga acgccagtac tgccatgctg atggcagcca   60
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ctgagaacgt gctaggcctg gtgccccaaag ccctgcctaa ggctgacggg cgggcagggc 180
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 gcatcgaggt cacctgcaac cactgcgcc gccgcctggt cttcttcaac aagtgcagcc 540
 tgctcctgca tgcacgtgaa cacaatgaca aggggctcgn catgcagtgc tcacatttgg 600
 tcatgaggct gtacccttga ccagatgggtg ggggcancnc ggacattaca ccgatgctgc 660
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<210> 3317

<211> 824

<212> DNA

<213> Homo sapiens

<400> 3317

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 agtatgtcc attcaaata ccatatac tcatatttg cacatcaacc aatggatgct 180
 atctgcgcag ttgagatctc cagtaaagaa tatctgctgt gttttaacag cattgggata 240
 tacactgact gccagggccg aagatctaga caacaggaat tgatgtggcc agcaaatcct 300
 tcctcttgtt gttacaatgc accatatctc tcggtgtaca gtgaaaatgc agttgatatc 360
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 aacaatgaag gatcattaaa tcttttaggg ttggagacca ttagattaat atatttcaaa 480
 aataagatgg cagaagggga cgaactggta gtacctgaaa catcagataa tagtcggaaa 540
 caaatggta gaaacattaa caataagcgg cgttattcct tcagagtccc agaagaggaa 600
 aggatgcagc agaggaggga aatgctacga gatccagaaa tgagaaataa attaatttct 660
 aatccaacta attttaatca catagcacac atgggtcctg gagatggaat acagatcctg 720

aaagatctgc ccatgaaccc tcggcctcag gaaagtcgga cagtattcaa tggctcaagt 780
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<210> 3318

<211> 725

<212> DNA

<213> Homo sapiens

<400> 3318

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agccgaggcg ctgaggttgg agccggagag cgtgagagcc gaagagcagg gagggcgggc 180
cggctgcgcg tccgacgagt cgcagagcag gaccgcggaa ggagggaga cggccgcaag 240
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ccccaacccg gcccggccgc cgcgtcgcgg gggcatgtga gcgggaagcc taggctgcca 480
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cccggcgctt ggctgagtag actgtagctc tccanagggt aatgggtccc cagaacccaa 600
gagaccagga gtgtcggagg ctgcctctgg aagccaggag aactggactt caaccgaaat 660
ttgaaagaag tggtnccagc cattgagaan ctgtttgtcc antgacttgg aaaggagaag 720
gttct 725

<210> 3319

<211> 864

<212> DNA

<213> Homo sapiens

<400> 3319

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 tcagcctgcc agccaagctc atcaatggcg gcatcgccgg gctgatcggt gtcacctgcg 180
 tgtttcccat cgacctggcc aagaccaggc tgcagaacca gcagaacggc cagcgcgtgt 240
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 tgctgaagat ccagctgcag gatgcagggc gcattgccgc ccagaggaag atcctggctg 540
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 ctcgccccac ggnccaccag ctgaccgcg acctgctgcg gagccgtggc attgccggtc 660
 tctacaaggg actcggggcc acgtgctaa ggatgtccct tctctgtggt gtacttccgt 720
 ctttgcaact gaaccagtgg gccgnccggc gtncgaagag aatcgcttct acgtgtcttc 780
 tggccgctgt gtggttggat gccgccgttg tggccgtaac cctggatgtg tgaanaccgg 840
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<210> 3320

<211> 840

<212> DNA

<213> Homo sapiens

<400> 3320

gangatngtg atccggggag acaggaacac gggcaagaca gcgctgtggc accgcctgca 60
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 ctggagctac aagaccacgg atgacatcgt gaaggttgaa gtctgggatg tagtagacaa 180
 aggaaaatgc aaaaagcgag gcgacggctt aaagatggag aacgaccccc aggaggcgga 240
 gtctgaaatg gccctggatg ctgagttcct ggacgtgtgc aagaactgca acggggtggt 300
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agtcacctg ccggacgacg tgcgtgactt catcgacaac ctggacagca gacctccagg 480
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 nctaaccctt gagaaaggct gtgggacctg ctcnagatt ggctgctggc aaggggcccc 720
 gcgttcttac ttgcacctgc ctgcttcttg ggtnggcaag aagggtacag gggtccttga 780
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<210> 3321

<211> 776

<212> DNA

<213> Homo sapiens

<400> 3321

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 cgaaatgttt taactgccat tccaagtga cttttctcct cttttgttaa ctgcctcaca 120
 cacctcactt gttcttttgg gcgaagtgct gcattggaag aagtgcctga taaagatgac 180
 atggtataca tggaagcata tgataaattg ttggagtcct ggtaacttt ggttcaagat 240
 gacaaacatt tccataaagg cttttttacc caacatgcag ttcaagtttt caattcctat 300
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 tctcgtgagg aggaagaaat aagtgaactt caagaggatg atcgagacca gttttctgat 420
 caactggcca gtgtaggaat gctaggaaga attgctgcag aacctgtat acctcttctg 480
 acaagtttat tagaagaaag agtaacaaga ctccatggc agtcacaacg acatcagcaa 540
 cagttacttg cttcaccggg ttcaagcact gttgacaaca aaatgcttga tgatctctat 600
 gaagatattc actggcttat tttagttaca ggctacctct tagctgatga tactcaggga 660
 gagactccgc taatacctnc agaaataatg gaatattcca ttaagcattc atctgaagtt 720
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<210> 3322

<211> 697

<212> DNA

<213> Homo sapiens

<400> 3322

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cgggtgctcga ggcgaggagg aggaggcggg gaaggcgaaa ggaggggttc ggaggagagg   60
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agcgggaggg aagttgtagt acgggtgggg agaaccacac taaagggaga tgggggtgag   180
cagttaagga accgcgagag cgccaggtag agagctgccc ttaatggggg aacctggaga   240
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agggcgcgag cgggcgctag gacccggcgt cgaaaagatg aggctttggg gctgtcgggg   360
cgcgcgctcc cgttggtgac gcgggggttg cggaggtctc cggccgggac gaagccccgc   420
agggagtgga tactcgacag ccttcggcct ccgctcgctt ctccctgcgc gctttcctgc   480
tcccccttcc ggctacagcc ctggggtcga gctctggtcg aagcgattc cgcctctcct   540
ttggccctgc ggcttccttt gcaacccgcc gccacccttg ctctccgtgg ttacccttg   600
ggctctgagg cctggtggtg gcggccactg ccgcggattg ctgttgcgga cccggggcgg   660
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<210> 3323

<211> 760

<212> DNA

<213> Homo sapiens

<400> 3323

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atcgcagcgt cggatgttca gagcagcaga agccggcgtc gtcggatgtt gtgttgcccc   60
ccaccatgag ctacacaggc tttgtccagg gatctgaaac cactttgcag tcgacatact   120
cggataccag cgctcagccc acctgtgatt atggatatgg aacttggaaac tctgggacaa   180
atagaggcta cgagggctat ggctatggct atggctatgg ccaggataac accaccaact   240
atgggtatgg tatggccact tcacactctt gggaaatgcc tagctctgac acaaatgcaa   300

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acactagtgc ctcgggtagc gccagtgccg attccgtttt atccagaatt aaccagcgt 360
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gagaaaggta tgactcttat gagtccctgcg actcgagggc cgtccctgagt gagcgcgacc 480
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gccaatacga tgcctaccgc gaccagttcc gcatgcgtgg caacgacacc ttcgggtccca 600
gggcacaggg ctgggcccgg gatgcccgga gcggccggcc aatggcctca gctatgggcg 660
catgtgggaa gaccccatgg gggcccgggg ccagtgcatg tctggtgcct ntcggctgcc 720
ttcctttttt ccagaacatn atncccagat accggatgtt 760

<210> 3324

<211> 790

<212> DNA

<213> Homo sapiens

<400> 3324

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tattggaagc cttgtatgat ggtagcctag gagactgtaa agaagctgct gaaatttata 180
gagcaaattg tcataagctt ttcccttatg ctttggcttt catgcctcct ggatatgaag 240
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aaatttgaac atcactaaac aagcaaattg aatgactttg gaccatatct agtatataat 360
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taacattaca ggatagaggt tcagtttctt aaaaaattaa agctgctaaa attgagtgg 540
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ttgtcttgtg agattttact atatctcaga cagcataaat gctggtttag cactggattc 720
tttactgag cacaaagagt tgntggggct ttagcatctg actggatttg gtacngggnt 780
gattcttacc 790

<210> 3325

<211> 797

<212> DNA

<213> Homo sapiens

<400> 3325

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caggaaagag taggaaactt tttggcagac ttttacctgg tgaatggact tgtttttagaa   60
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gagagtttga gtaaagggtg aaacataatg gaacagaatt ttgagccgat tcgaagacag  180
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ggaaaagctc ctcatctggg tagagaattg gtgtgcaaag agagtaagaa aacgttttaa  300
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gaagtagtag ctcccttcaa gcactttaac aagcttagag aatttgttca gatgaagctt  420
cctccaggct ttcctgtaaa attagatata cctgtgtttc ccacaatcac agccactgtg  480
acttttcagg agtttcgata cgatgaattt gatggctcca tctttactat acctgatgac  540
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aaccaaggaa agaaaataca gagaccctag aagtggatcc aaatagaagg gacaagtgtc  660
ttcagtgaag aaaagggaat tacacattga atcgacacat cagtaatacg atacagtga  720
atgggcctct aataagaatt tcaccgagtt ttctgatgtg ccattttttg gcttttaaaa  780
atntcntntt ataaatg                                     797

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<210> 3326

<211> 822

<212> DNA

<213> Homo sapiens

<400> 3326

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gagtcctccc cgcctcgcag agttgggaga aggcagggtg ggggggtgtg aaaaataaaa   60

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ggaaaagtcc ttgcaccatg tagatcagcg tccccactt tggcatcccg gccggccggg 120
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<210> 3327

<211> 660

<212> DNA

<213> Homo sapiens

<400> 3327

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aggaggtgga acccacaaaa tccattgct ttccacactg canggctgcc cgttatttcc 600
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<210> 3328

<211> 805

<212> DNA

<213> Homo sapiens

<400> 3328

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 attagtgtgc ttaggaaaga ttttgaata cttggataag tggttgtac ttgatgatat 180
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 ctggtgctac tggtnaacag actaaggact tgacngacac actggtgggt aatatggcat 780
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<210> 3329

<211> 793

<212> DNA

<213> Homo sapiens

<400> 3329

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actaagtctt tcctggcaga tgccggctat ggCgaacagg aactggatgc caactctgcc 180
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ggtttagcga caccagtaga cttgaagcta aaattgatcc cattctacag cacatgcncc 720
atgatgcaat cttggcttnc agtgctcgtc aacttttaca acagctggca catnctatcc 780
gtcaccaaaa tgg 793

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<210> 3330

<211> 706

<212> DNA

<213> Homo sapiens

<400> 3330

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aggctctgta tgctctacca tccagacaag cacagagacc cagagctcaa gtcacaggcg 180
gaacgactgt ttaaccttgt tcaccaggct tacgaagtgc ttagtgaccc ccaaaccagg 240
gccatctatg atatatatgg gaagagagga ctggaaatgg aaggatggga ggttgtggaa 300
aggaggagaa cccctgctga aattcgagag gagtttgagc ggctgcagag agagagagaa 360
gagaggagat tgcagcagcg aaccaatccc aagggaacga tcagcgttgg agtagatgcc 420

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accgaccttt ttgatcgcta tgatgaggag tatgaagatg tgtccggcag tagctttccg 480
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 aactttgcgc tcagaccagt tacttnggca aagggatggg gagagtigga atttggagct 660
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<210> 3331

<211> 814

<212> DNA

<213> Homo sapiens

<400> 3331

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<210> 3332

<211> 794

<212> DNA

<213> Homo sapiens

<400> 3332

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tgaaggaagg tgtacaaggc ccactgaatg tatctctcag tgaagaagga aaatctcaag 180
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gcatttgta aacactaata tagtatagtg cttaaaagta aaggctctgt aaccaaactg 540
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tgcacatgaa gcatttagaa gcatgtctgg tatgtantgg gtgcttaata aattccagct 720
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<210> 3333

<211> 875

<212> DNA

<213> Homo sapiens

<400> 3333

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ttggacaaca ctttaattac agcctgaagg ttaggtagtt gttattccat ttatatatct 300
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<210> 3334

<211> 747

<212> DNA

<213> Homo sapiens

<400> 3334

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gggnaacgga ttcggttac anctggg 747

<210> 3335

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3335

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cacgcacctc atggaggaga acatgatcgt gtattgtgga aaagaaaagt gctngaagac 660
ccttgccatc ggcagccaat gaaaagcttt tgggggcaag tggaaagaaa gaaaaatttc 720
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<210> 3336

<211> 669

<212> DNA

<213> Homo sapiens

<400> 3336

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 acccctggtt ttgggccctg ttcgtgtgga cgtacatttc actcggcgca tncctnctgc 600
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 cgaggctta 669

<210> 3337

<211> 769

<212> DNA

<213> Homo sapiens

<400> 3337

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 ctgagtaact gcaagggcgc ctttgaggag tagcacgcag agagtgtcaa tgaagacctc 180
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 cacgagctgg ggacctcttc tccttagatg actctgagat tgaagacagc cttacagaag 420
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gaccctttgg gaaagacgaa gacacttctc atgcaaaaat cgcatctgat atcatgagtt 660
gcattttaca gaattacaac cgacccccag tgatggcatt agccattccc attgcagtga 720
aaattcttca cagaggcaac aaggnactgt gcnggaatat gnctaacta 769

<210> 3338

<211> 677

<212> DNA

<213> Homo sapiens

<400> 3338

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ctaaatcctc ccaccgnttg ccggacctta cacttaccaa gatccgcttg aaagcgcatt 660
cttcttgggc nggagnt 677

<210> 3339

<211> 717

<212> DNA

<213> Homo sapiens

<400> 3339

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 ggagcggttac atgaaggaac tggaacagta tcagaaaaca gaggcctaca aggtcttcaa 660
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<210> 3340

<211> 908

<212> DNA

<213> Homo sapiens

<400> 3340

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 gcacatcatc gacactggcc tggagtattg aagggtggtat caggatgcca catatcctta 180
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 acaaggcgtc gccatgaaaa tccaccccat ggagtagcaa gtgtgaaaga atggttcaat 540
 tatgttacag ctacaaggaa tgaagagcta aatctgcttc gtaatgttga tgctaacaac 600

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 agctacaacc atgaaacaga gactatcttt gcattaccaa ggatgcagct tgacttttaa 720
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<210> 3341

<211> 768

<212> DNA

<213> Homo sapiens

<400> 3341

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 agccatggca gcgctgcgct acgcggggct ggacgacacg gacagtgagg acgagctgcc 180
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 caagccaacc acccggcaaa gatacgacgg cagcaccact gccatggaaa ttctccaggg 480
 cccggatttc actggcaaag tggttgtggt cactggagct aattcaggaa tagggttcga 540
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 aagggcgagt gaagcagtgt cacgcatttt agaagaatgg cataaagcca aggtagaagc 660
 aatgaccctg gacctngctc tgnttccgta gcgtgcagca ttttgcttga agcctttcaa 720
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<210> 3342

<211> 810

<212> DNA

<213> Homo sapiens

<400> 3342

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gctccgggtg ccctgccttt acatcatcga cgccatcttc aactcctacc cggattccag 180
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tggaggacac atggaagang attcgtttcc cagacatact acgaagtctt tttggctaac 780
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<210> 3343

<211> 756

<212> DNA

<213> Homo sapiens

<400> 3343

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aagaagaaaa aagaaggggc atggctggag cagaacggga acgagaacgc agaaaaacaa 180
ccaacaaaaat gataacagca aagccgatgg ccagctgggtc tcgagtgaag agaaggcgaa 240

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catgaatctg aaagaccttt ccaagattag ggggagaaag agaggcaaac ctggaaccca 300
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<210> 3344

<211> 741

<212> DNA

<213> Homo sapiens

<400> 3344

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<210> 3345

<211> 718

<212> DNA

<213> Homo sapiens

<400> 3345

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<210> 3346

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3346

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catctcccc aacctggggg tegtgttctt caacgcctgc gaggccgct cgcggtggc 240
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<210> 3347

<211> 703

<212> DNA

<213> Homo sapiens

<400> 3347

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 cgatgcggcg ggccacggat tctgttactg tgcgggcagc cacaagcgca agcggagcag 360
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703

<210> 3348

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<212> DNA

<213> Homo sapiens

<400> 3348

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<210> 3349

<211> 746

<212> DNA

<213> Homo sapiens

<400> 3349

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<210> 3350

<211> 741

<212> DNA

<213> Homo sapiens

<400> 3350

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<210> 3351

<211> 708

<212> DNA

<213> Homo sapiens

<400> 3351

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<210> 3352

<211> 832

<212> DNA

<213> Homo sapiens

<400> 3352

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<210> 3353

<211> 831

<212> DNA

<213> Homo sapiens

<400> 3353

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<210> 3354

<211> 578

<212> DNA

<213> Homo sapiens

<400> 3354

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<210> 3355

<211> 760

<212> DNA

<213> Homo sapiens

<400> 3355

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<210> 3356

<211> 824

<212> DNA

<213> Homo sapiens

<400> 3356

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<210> 3357

<211> 838

<212> DNA

<213> Homo sapiens

<400> 3357

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<211> 812

<212> DNA

<213> Homo sapiens

<400> 3358

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<210> 3359

<211> 878

<212> DNA

<213> Homo sapiens

<400> 3359

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<210> 3360

<211> 797

<212> DNA

<213> Homo sapiens

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<210> 3361

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3361

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<210> 3362

<211> 876

<212> DNA

<213> Homo sapiens

<400> 3362

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<210> 3363

<211> 906

<212> DNA

<213> Homo sapiens

<400> 3363

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<210> 3364

<211> 729

<212> DNA

<213> Homo sapiens

<400> 3364

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<210> 3365

<211> 841

<212> DNA

<213> Homo sapiens

<400> 3365

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<210> 3366

<211> 867

<212> DNA

<213> Homo sapiens

<400> 3366

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<210> 3367

<211> 846

<212> DNA

<213> Homo sapiens

<400> 3367

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<210> 3368

<211> 861

<212> DNA

<213> Homo sapiens

<400> 3368

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<210> 3369

<211> 854

<212> DNA

<213> Homo sapiens

<400> 3369

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<210> 3370

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3370

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agaagctgaa cttaggagg cagagaaaga gcttcacgag aagtttgacc ttctaaagcg  720
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<210> 3371

<211> 713

<212> DNA

<213> Homo sapiens

<400> 3371

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atcttttgac ctttggcttt atttgggagg gggaagggtg ataaagtttt ctgtttccct 300
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<210> 3372

<211> 902

<212> DNA

<213> Homo sapiens

<400> 3372

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cn 902

<210> 3373

<211> 862

<212> DNA

<213> Homo sapiens

<400> 3373

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<210> 3374

<211> 749

<212> DNA

<213> Homo sapiens

<400> 3374

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<210> 3375

<211> 650

<212> DNA

<213> Homo sapiens

<400> 3375

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<210> 3376

<211> 707

<212> DNA

<213> Homo sapiens

<400> 3376

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<210> 3377

<211> 773

<212> DNA

<213> Homo sapiens

<400> 3377

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<210> 3378

<211> 708

<212> DNA

<213> Homo sapiens

<400> 3378

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<210> 3379

<211> 710

<212> DNA

<213> Homo sapiens

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<210> 3380

<211> 758

<212> DNA

<213> Homo sapiens

<400> 3380

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<210> 3381

<211> 719

<212> DNA

<213> Homo sapiens

<400> 3381

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<210> 3382

<211> 773

<212> DNA

<213> Homo sapiens

<400> 3382

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 ccacatctct gccccctcag ctgctgccag cacacctgtg cccagtgcc ccacgaccc 180
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 tcagcagggc aacatcgcca tgacaaccgt caacttaciaa gttgtgtcan gtggagcctt 720
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<210> 3383

<211> 814

<212> DNA

<213> Homo sapiens

<400> 3383

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aataaccagt caaacagatt ggctgtttca cgaacagatg gcactgtgga aatttataac  180
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tccgatggca ctatcataag tgtggactct gctgggaagg tgcagttctg ggactcaacc  720
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<210> 3384

<211> 773

<212> DNA

<213> Homo sapiens

<400> 3384

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ggcctccagc ttccagccct cctcccctaa gccgccgcca tcatgctgct gcctgtgttc  180
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 gccttgcgtg actttgatgg tgatggaaaa gaaagagctt cttgntggat ctgangattt 720
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<210> 3385

<211> 754

<212> DNA

<213> Homo sapiens

<400> 3385

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<210> 3386

<211> 884

<212> DNA

<213> Homo sapiens

<400> 3386

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gcaattgttg atagtagatc agctcagccc aaagaaacct cggaagagag aaaagctcgt 180
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agtaaacttc atagaaattt gctatttcaa gattgtgaaa aagagcagga caacaaacca 780
aaggatccac ccatgatgtt aaacccccaa tncagaaacn aggacaagtt gcttaaatta 840
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<210> 3387

<211> 817

<212> DNA

<213> Homo sapiens

<400> 3387

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 cagagagaaa taaatgagtt gaatatcttt caagactaac attttctgaa actttaagaa 720
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<210> 3388

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3388

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gcctgggcaa cccantgaga ccccgatatct acaaaaatta gccagggtgtt gtgacatgtg 780
cctgtgggtcc cagcttcttc aanaggctta ng 813

<210> 3389

<211> 768

<212> DNA

<213> Homo sapiens

<400> 3389

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ttaattctgg ctgaagcagt gatggagggg aggccaacgc ccgacaaaac gttgctgaat 180
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<210> 3390

<211> 871

<212> DNA

<213> Homo sapiens

<400> 3390

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<210> 3391

<211> 890

<212> DNA

<213> Homo sapiens

<400> 3391

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 ggactgctag aatttcataa aagcttacag gaaattggag acaaaaatga ccattggttg 840
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<210> 3392

<211> 723

<212> DNA

<213> Homo sapiens

<400> 3392

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gaa

723

<210> 3393

<211> 807

<212> DNA

<213> Homo sapiens

<400> 3393

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aagaaagtct tgagcattcc aaagagacat acagacactt catcctacag gtggnaaccc 780
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<210> 3394

<211> 778

<212> DNA

<213> Homo sapiens

<400> 3394

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<210> 3395

<211> 804

<212> DNA

<213> Homo sapiens

<400> 3395

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 gtaaatttac aactgntctt ttatttgcca taatctgggt ataacactgg ttgtggnagg 780
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<210> 3396

<211> 646

<212> DNA

<213> Homo sapiens

<400> 3396

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 gntggggctc cagactgggc gcgaccacta acccggttaa tgacctcggg cttacttaa 540
 ccccttcgt gctctgggcc tgcgtttctc caccggtgaa atnagggtct tcatcaccca 600
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<210> 3397

<211> 802

<212> DNA

<213> Homo sapiens

<400> 3397

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<210> 3398

<211> 733

<212> DNA

<213> Homo sapiens

<400> 3398

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gcgccccggc cgggccactg ggccacaggc cacgcggcca cgcagtccga gcgggagccg 60
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cacctgttcg ccctcctcat cagcacctgc atcctgccca atgtggaggc cgtgagcaac 480
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<210> 3399

<211> 716

<212> DNA

<213> Homo sapiens

<400> 3399

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 gcccgcggat cgccctccgcc cggctcttcgc cggccccggc ccctggcgag atgccgtgtg 180
 gggaggattg gctcagccac ccgctgggaa tcgtgcaggg attcttcgcc caaaatggag 240
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<210> 3400

<211> 711

<212> DNA

<213> Homo sapiens

<400> 3400

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<210> 3401

<211> 846

<212> DNA

<213> Homo sapiens

<400> 3401

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cgctgctccg tggccgtggt ggagctgccc cggcgccccg cgccccggc agccgtgctc 480
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<210> 3402

<211> 857

<212> DNA

<213> Homo sapiens

<400> 3402

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 tgatactgag gctgcagctt cccaccgca tctgccccca gaggaggggg tggcagagga 420
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cattctgnaa aagctgt

857

<210> 3403

<211> 808

<212> DNA

<213> Homo sapiens

<400> 3403

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<210> 3404

<211> 874

<212> DNA

<213> Homo sapiens

<400> 3404

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<210> 3405

<211> 887

<212> DNA

<213> Homo sapiens

<400> 3405

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 taaaaagttt tataagtctt tattggacat ttgtaagaag gtaccagcca tcactctact 780
 gctaataatta tttgggttcc tgataatttc tgatccagaa atccacagct gccaaactgta 840
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<210> 3406

<211> 860

<212> DNA

<213> Homo sapiens

<400> 3406

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860

<210> 3407

<211> 895

<212> DNA

<213> Homo sapiens

<400> 3407

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<210> 3408

<211> 842

<212> DNA

<213> Homo sapiens

<400> 3408

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<210> 3409

<211> 848

<212> DNA

<213> Homo sapiens

<400> 3409

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<210> 3410

<211> 902

<212> DNA

<213> Homo sapiens

<400> 3410

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agcagtgtta tacagaaggg caatgaaaac attggacatg accatgagtg cttcctttcc 840
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<210> 3411

<211> 760

<212> DNA

<213> Homo sapiens

<400> 3411

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<210> 3412

<211> 748

<212> DNA

<213> Homo sapiens

<400> 3412

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<210> 3413

<211> 756

<212> DNA

<213> Homo sapiens

<400> 3413

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<210> 3414

<211> 779

<212> DNA

<213> Homo sapiens

<400> 3414

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<210> 3415

<211> 863

<212> DNA

<213> Homo sapiens

<400> 3415

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<210> 3416

<211> 884

<212> DNA

<213> Homo sapiens

<400> 3416

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gaaaaaatag aggatgcttt attatgggaa tgcccagtgg gagatatact tcccaattca 300
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<210> 3417

<211> 906

<212> DNA

<213> Homo sapiens

<400> 3417

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<210> 3418

<211> 795

<212> DNA

<213> Homo sapiens

<400> 3418

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<210> 3419

<211> 807

<212> DNA

<213> Homo sapiens

<400> 3419

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<210> 3420

<211> 817

<212> DNA

<213> Homo sapiens

<400> 3420

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<210> 3421

<211> 802

<212> DNA

<213> Homo sapiens

<400> 3421

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gcttgttcgg gtggccccct tn 802

<210> 3422

<211> 726

<212> DNA

<213> Homo sapiens

<400> 3422

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<210> 3423

<211> 779

<212> DNA

<213> Homo sapiens

<400> 3423

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<210> 3424

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3424

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<210> 3425

<211> 906

<212> DNA

<213> Homo sapiens

<400> 3425

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<210> 3426

<211> 884

<212> DNA

<213> Homo sapiens

<400> 3426

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<210> 3427

<211> 697

<212> DNA

<213> Homo sapiens

<400> 3427

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<210> 3428

<211> 898

<212> DNA

<213> Homo sapiens

<400> 3428

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<210> 3429

<211> 769

<212> DNA

<213> Homo sapiens

<400> 3429

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 aagaaaagggt atttactatg caggatctat tacaactcat taaaatcaac cctacttcca 420
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 agtataagag agaaatagaa gagcaacttn gggcagaaat gtgtcaaaag ttgaagtttt 720
 tttaaagatc cgngatncaa aaattaaaat ggaacaaaaa aaaaagttt 769

<210> 3430

<211> 911

<212> DNA

<213> Homo sapiens

<400> 3430

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<210> 3431

<211> 889

<212> DNA

<213> Homo sapiens

<400> 3431

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<210> 3432

<211> 818

<212> DNA

<213> Homo sapiens

<400> 3432

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<210> 3433

<211> 808

<212> DNA

<213> Homo sapiens

<400> 3433

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 aattttaatc taaaaacaca gagcatcctc ttcaaccgt cataaagaag atttacagcc 660
 ttataaatat gcaggatacc ccatgcttat tcggactata acaatggaaa cttcagatga 720
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<210> 3434

<211> 832

<212> DNA

<213> Homo sapiens

<400> 3434

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<210> 3435

<211> 848

<212> DNA

<213> Homo sapiens

<400> 3435

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<210> 3436

<211> 880

<212> DNA

<213> Homo sapiens

<400> 3436

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<210> 3437

<211> 775

<212> DNA

<213> Homo sapiens

<400> 3437

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<210> 3438

<211> 831

<212> DNA

<213> Homo sapiens

<400> 3438